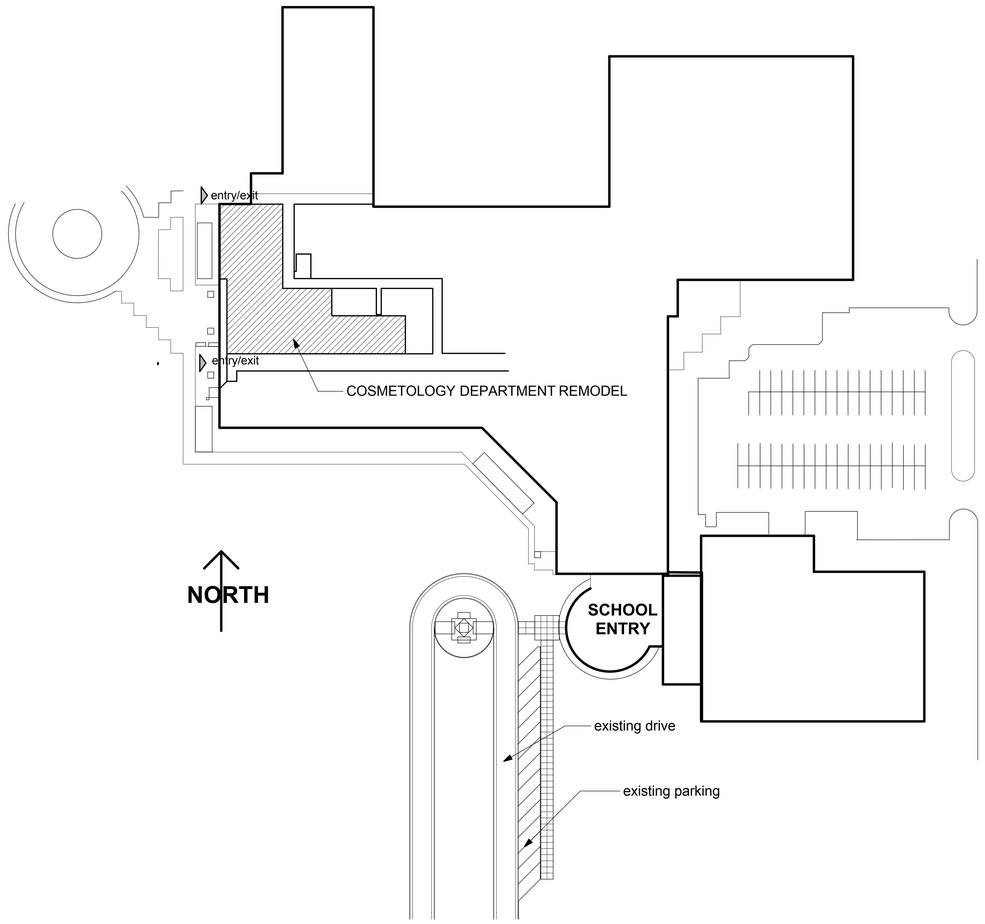


1 SITE PLAN
SCALE: 1" = 50'

DAVIS APPLIED TECHNICAL COLLEGE

DATC MAIN CAMPUS C-WING

COSMETOLOGY DEPARTMENT REMODEL PROJECT

STATE OF UTAH, DFCM

ARCHITECT

SCHEER & SCHEER, INC.
776 N EAST CAPITOL BLVD
SALT LAKE CITY UT 84103
801 355-1303
WWW.SCHEERANDSCHEER.COM

MECHANICAL ENGINEER

D. L. JENSEN ASSOCIATES
545 WEST 500 SOUTH SUITE 140
BOUNTIFUL, UT 84010
(801) 294-9299

ELECTRICAL ENGINEER

KEN GARNER ENGINEERING, INC.
102 W 500 S, SUITE 225
SALT LAKE CITY, UT 84101
(801) 328-8800

DRAWING LIST

REVISIONS
RI State Corrections 12-02-08

DAVIS APPLIED TECHNICAL COLLEGE
REMODEL OF COSMETOLOGY AREA

DATC MAIN CAMPUS C-WING
DFCM PROJECT NO. 08084220
RI
CLIENT
DARRELL HUNTING, DFCM

OWNER:
STATE OF UTAH
DFCM

SHEET TITLE

TITLE SHEET

DRAWING DATE
DECEMBER 2, 2008

STATE OF UTAH
ERIN R. SILVA
No. 342350
LICENSED ARCHITECT

ARCHITECT:
Scheer & Scheer, Inc.
776 N. EAST CAPITOL BLVD.
SALT LAKE CITY, UT 84103
(801) 355-1303
WWW.SCHEERANDSCHEER.COM

SHEET NO.

TS

CODE ANALYSIS

APPLICABLE CODES:

	Year		Year
International Building Code	2006	National Electrical Code	2005
International Mechanical Code	2006	Uniform Code for Building Conservation	2006
International Plumbing Code	2006	ADA Accessibility Guidelines	2003
International Fire Code	2006		
International Energy Conservation Code	2006		

A. Occupancy and Group: B | A-3
Change in Use: Yes | No X | Mixed Occupancy: Yes | No
Special Use and Occupancy (e.g. High Rise, Covered Mall): NO
B. Seismic Design Category: D | Design Wind Speed: 90 mph
C. Type of Construction (circle one): IA IB IIA IIB IIIA IIIB IV-HT VA VB
D. Fire Resistance Rating Requirements for Exterior Walls based on fire separation distance (in hours)
North: 0 | South: 0 | East: 0 | West: 0
E. Mixed Occupancies: | Nonseparated Uses: B | A-3
F. Sprinklers: Required: NO | Provided: YES | Type of sprinkler system: WET
G. Number of stories: 2 | Building height: 16'-8"
H. Actual Area per Floor (square feet): New: 0 sq. ft. modeled: 9,170 sq. ft.
I. Tabular Area: 5,718.00 sq. ft. (B occ) 3,452.80 sq. ft. (A-3 occ.)
J. Area Modifications
a) $A_a = A_t + [\frac{A_s}{100} \times [\frac{A_p}{100}]] + [I_f \times 100 \times [\frac{F}{P} - 0.25]] \times \frac{W}{30}$
b) Sum of the Ratio Calculations for Mixed Occupancies: $\frac{\text{Actual Area}}{\text{Allowable Area}} + \frac{}{} + \frac{}{} = 0.10 \leq 1$
c) Total Allowable Area for: 1) One story: $A_s(2)$ 2) Two Story: $A_p(2)$ 3) Three story: $A_p(3)$
d) Unlimited Area Building: Yes | No X | Code Section: 10
K. Fire Resistance Rating requirements for Building elements (hours):

Element	Hours	Assy. Listing	Element	Hours	Assy. Listing
Exterior Bearing Walls	0	0	Floors- Ceiling floors	0	0
Interior Bearing Walls	0	0	Roofs- Ceiling Roofs	0	0
Exterior Non-Bearing Walls	0	0	Exterior Doors and Windows	0	0
Structural Frame	0	0	Shaft Enclosures	0	0
Partitions- Permanent	0	0	Fire Walls	0	0
Fire Barriers	0	0	Fire Partitions	0	0
			Smoke Partitions	0	0

L. Design Occupant Load: 59
Exit Width Required: 44 in. Exit Width Provided: 44 in.
M. Minimum Number of Required Plumbing Facilities:

a)	Water Closets	Required (m)	2	(f) unisex	Provided (m)	2	(f) unisex
b)	Lavatories	Required (m)	2	(f) unisex	Provided (m)	2	(f) unisex
c)	Bath Tubs or Showers:		0				
d)	Drinking Fountains:		0	Service Sinks:		0	

FOOTNOTES
1) In case of conflict with the U.S. Department of Justice Federal Registers Parts I through V- ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive shall govern.
2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:
a) High Rise Requirements.
b) Atriums.
c) Performance Based Criteria.
d) Means of Egress Analysis.
e) Fire Assembly Locator Sheet.
f) Exterior and Interior Accessibility Route.
g) Fire Stopping, Including Tested Design Number.

RI

PROJECT DATA

RI

These plans meet State of Utah DFCM standards

ALL RENOVATIONS TO BE COMPLETED UNDER: **2006 IBC and latest adopted editions of all other applicable state and national codes.**

TOTAL AREA TO BE RENOVATED = 9,170 SF

PROJECT IS BROKEN INTO THREE PHASES BECAUSE OF BUDGET CONSIDERATIONS. The phases are BASE BID, ALT-1 and ALT-2.

NOTE: ***No square footage will be added to the building with this renovation.***

Exiting will remain the same.
Use will remain the same and Building Type will remain the same.
All renovations will be made under **2006 IBC**.
Parking will not change.
Occupancy will remain the same under existing use of area.
Current accessibility to remain the same under latest ADA standards. New toilet in renovated space to comply with latest ADA requirements.
New automatic entry/exit doors to be installed with this renovation in the south corridor.

Building is fully protected by an automatic fire sprinkler system which will remain in place. Sprinkler heads will be relocated for new office spaces within the Cosmetology Area.

All mechanical and electrical work to be done under existing latest codes.
ELECTRICAL DRAWINGS BASED ON 2006 CODES AND 2005 NEC.

RI

ORIGINAL BUILDING completed in 1986 under:	**1982 UBC**
ORIGINAL BUILDING OCCUPANCY:	**B-2**
ORIGINAL BUILDING SIZE:	**59,264 SF**
ORIGINAL BUILDING TYPE:	**II NR**
ORIGINAL HVAC =	**UMC 1982**
ORIGINAL PLUMBING =	**UPC 1982**
ORIGINAL ENERGY =	**1983 MODEL ENERGY CODE**
ORIGINAL ENERGY =	**1983 UTAH ENERGY**
ORIGINAL STRUCTURE =	**1982 UBC**
ORIGINAL ELECTRICAL =	**1984 NEC**

CONSTRUCTION NOTES:

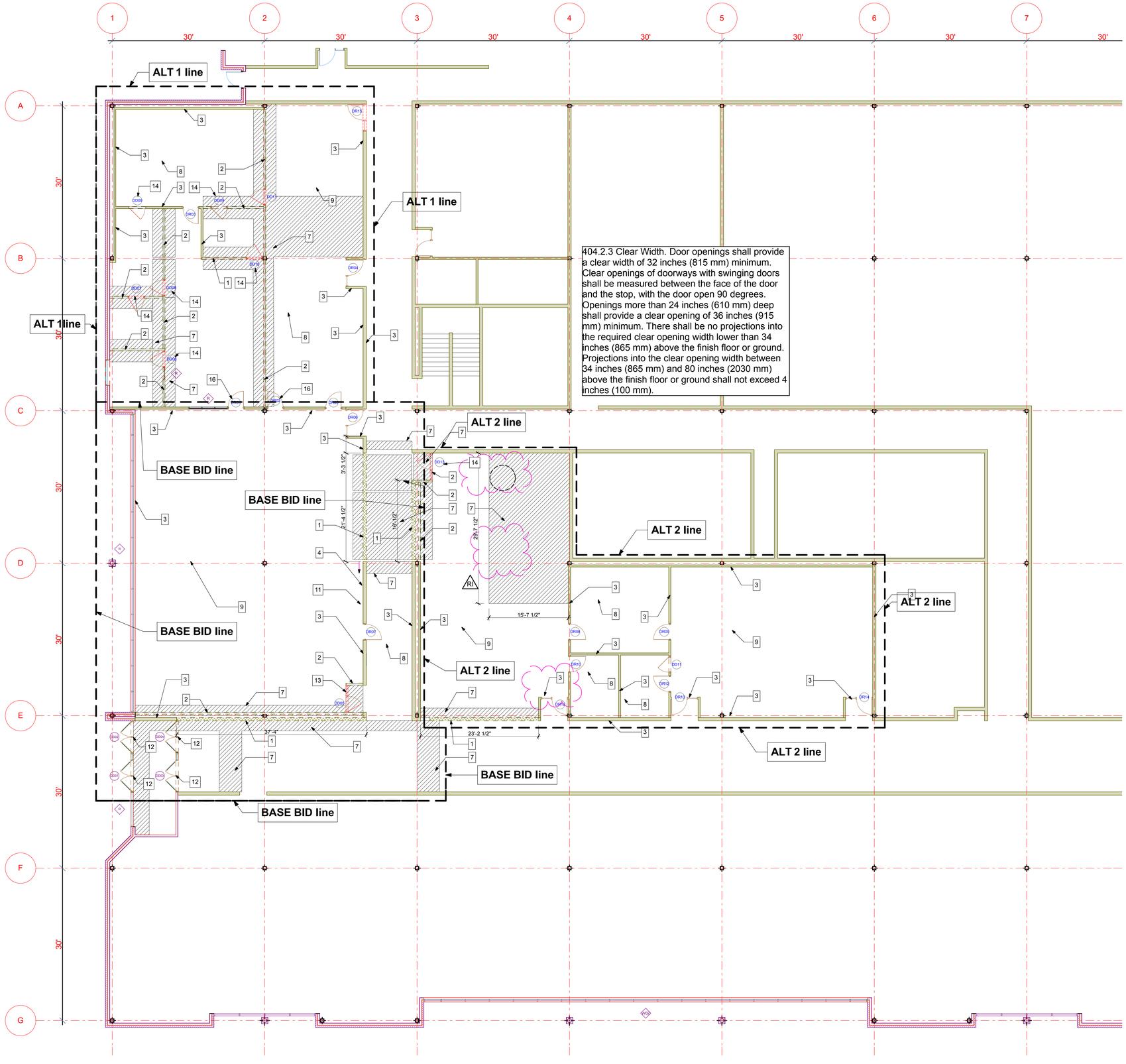
1. The Contractor and all sub-contractors shall visit the job site and make an exhaustive survey of existing conditions within the limits of the work to be done to insure an understanding of the scope of work included in these plans and specifications. The Contractor shall be responsible for the completion of all work outlined in the plans. If there are questions about the work to be done as contained in these plans and specifications, the Contractor shall issue an RFI in writing to the Architect for clarification.

2. The Contractor shall make every effort possible to exercise care in removing materials during demolition for possible future reuse in the final project. This is especially true for existing suspended ceiling systems, existing sinks and the existing Reception desk. The Contractor shall also guard against damaging any steel structure uncovered during the demolition phase of the work.

3. The Contractor shall exercise care with all non-construction Cosmetology Department furniture, equipment and supplies located within the construction zone. If necessary during demolition or construction, if there are items that need to be moved or relocated in order for the Work to continue, The Contractor shall contact DATC Facilities Services Director Kent Thorsted at 801-593-2430.

4. The Contractor will exercise all care in coordinating with occupants during all phases of demolition and construction per instructions found in the Project Specifications.

C:\DAVIS APPLIED TECH COLLEGE\CURRENT MODEL\A0806 DATC FINAL MODEL.pln A0806 DATC FINAL MODEL.pln



DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

DEMOLITION PLAN KEY NOTES

1. Existing CMU wall to be removed. Exercise care to not damage existing steel X bracing or steel columns.
2. Existing steel stud wall to be removed.
3. Existing wall to remain.
4. Existing sinks to be reused in a different location.
5. Existing plumbing fixture to be removed.
6. Existing lumbing fixture to remain.
7. Existing 2X4 lay-in ceiling to be moved and if possible to be re-used. Exercize care in romoving panels and T-bar system for future installation either in the same location or a different location.
8. Existing 2x4 lay-in ceiling to remain. In some cases these areas may need to be moved to facilitate new electrical and HVAC work. If so, exercise care in removing and store T-bar system and acoustical panels.
9. Existing troffer fluorescent light fixtures to remain.
10. Existing troffer fluorescent light fixtures to be used from other location.
11. Existing plumbing wall behind sinks to be removed.
12. Remove existing exit doors and storefront to be replaced with new electric automatic doors.
13. Existing steel studwall, door and sidelite window to be removed.
14. Existing door/sidelite in stud wall to be removed.
15. Existing door/sidelite in CMU wall to be removed.
16. Existing door in stud wall to be removed.

REVISIONS

State Corrections 12-02-08

DAVIS APPLIED TECHNICAL COLLEGE

REMODEL OF COSMETOLOGY AREA

DATC MAIN CAMPUS C-WING

DFCM PROJECT NO. 08084220

CLIENT
DARRELL HUNTING, DFCM

OWNER:
STATE OF UTAH
DFCM

SHEET TITLE

DEMOLITION PLAN

DRAWING DATE
DECEMBER 2, 2008

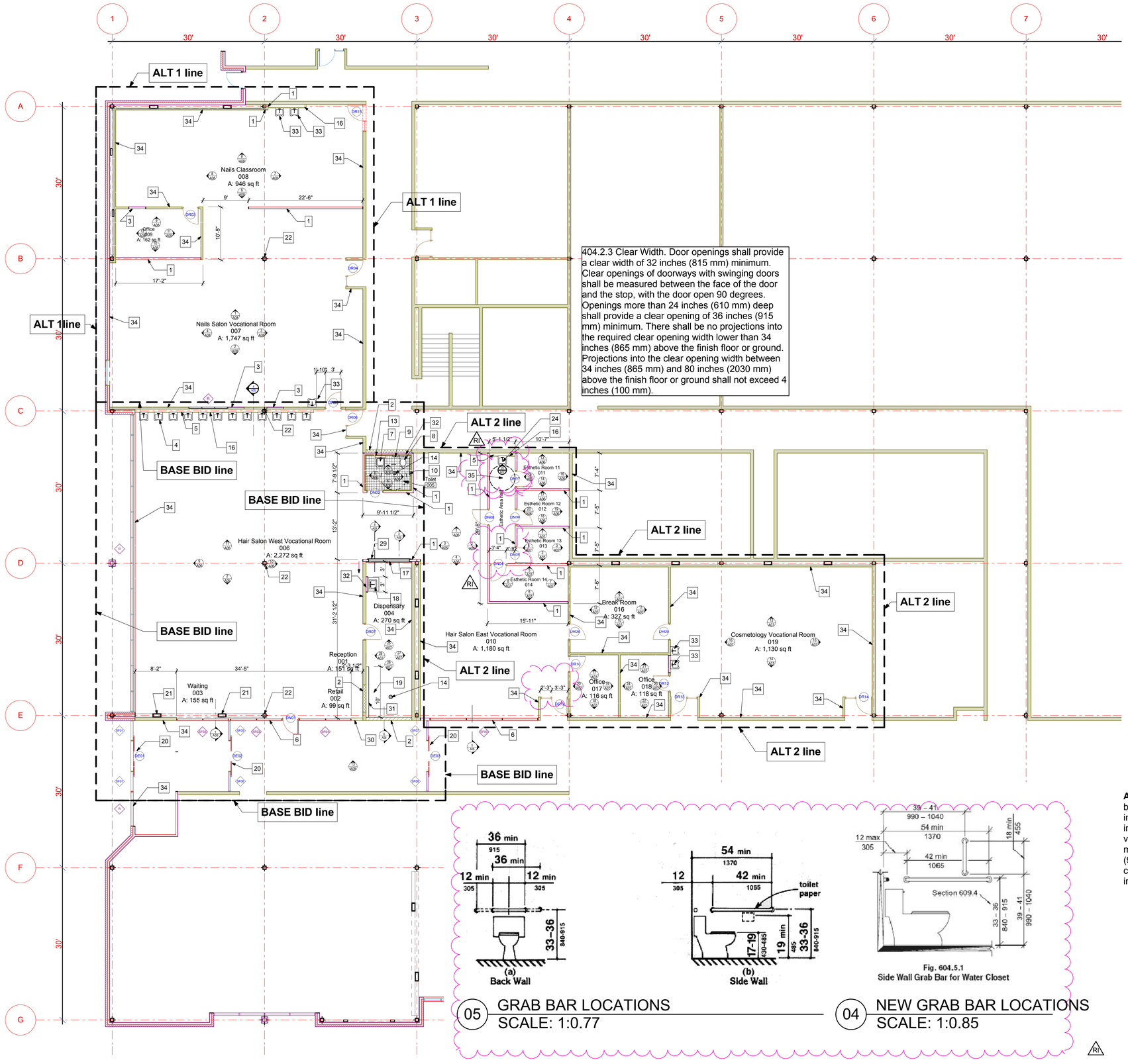
STATE OF UTAH
ERIN R. SILVA
No. 342800
LICENSED ARCHITECT

ARCHITECT:
Scheer & Scheer, Inc.
776 N. EAST CAPITOL BLVD.
SALT LAKE CITY, UT 84103
(801) 355-1303
WWW.SCHEERANDSCHEER.COM

SHEET NO.

A01

C:\DAVIS APPLIED TECH COLLEGE\CURRENT MODEL\A0806 DATC FINAL MODEL.pln A0806 DATC FINAL MODEL.pln



RENOVATION FLOOR PLAN
SCALE: 1/8" = 1'-0"

Fig. 604.5.1
Side Wall Grab Bar for Water Closet

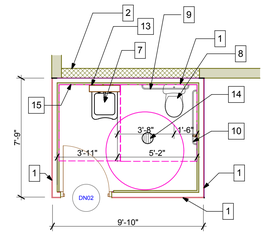
05 GRAB BAR LOCATIONS
SCALE: 1:0.77

04 NEW GRAB BAR LOCATIONS
SCALE: 1:0.85

FLOOR PLAN KEY NOTES

1. New steel stud wall:1-1/2" X 3-5/8" gauge "UltraSTEEL" (0.015 base metal thickness, 0.034 effective metal thickness) metal studs at 16" OC with 5/8" gypsum board on each side. Provide double 20 gauge "UltraSTEEL" (0.0225 base metal thickness, 0.055 effective metal thickness) studs at each side of doors. w/ 5/8" gyp bd each side.
2. Fill in existing CMU wall to matchFill in existing CMU wall to match existing (typ. 8" CMU wall w/#4 rebar @ 24" O.C. in vertical grouted cells & (2) #4 @ 48" in masonry unit horizontal grouted).
3. Fill in existing stud wall to match existing.
4 Hair washing station sinks - use relocated sinks.
5. New 3' - 0" high 6" steel stud plumbing wall with plastic laminate shelf on top.
6. New storefront window system. See specifications and details.
7. New HC IBC approved accessible vitreous china sink and fixtures.
8. New HC IBC approved accessible vitreous china toilet.
9. New 36" long HC IBC approved grab bar behind toilet.
10. New 42" long HC IBC approved grab bar alongside toilet.
11. New 18" long HC IBC approved vertical grab bar.
12. New HC accessible toilet tissue dispenser.
13. New HC accessible mirror with bottom located max 40" above floor.
14. New floor drain in HC accessible Toilet and Dispensary.
15. New 48" high impervious wainscot in Toilet to comply with IBC Section 1210.
16. New 8" wide plastic laminate counter top on top of plumbing stud wall at hair washing sinks.
17. New lockable roll up door into Dispensary.
18. New utility sink in Dispensary.
19. New Washer/Dryer location.
20. New electronic entry/exit doors - see Specifications and Door Schedule.
21. Prep and paint existing exposed steel frame to remain.
22. Prep and paint existing exposed steel column to remain.
23. New sinks in Hair Cosmetology Classroom.
24. New hand sink in Esthetic Hall
25. Reuse existing cash and wrap retail counter.
26. New vinyl flooring.
27. Repaint existing stud wall - Typical.
28. Repaint existing CMU wall - Typical.
29. New 10" wide plastic laminate counter top at Dispensary service window.
30. 6" steel stud wall with 5/8" gyp. bd. each side. Run height of wall to height of existing CMU wall.
31. 12' high 6" steel stud plumbing wall (5/8" gyp. bd. one side) behind washer and dryer.
32. 12' high 3-5/8" steel stud plumbing wall (5/8" gyp. bd. one side).
33. New hand sinks in classroom.
34. Existing wall to remain.
35. Maneuvering room per ANSI 304.3

ANSI 604.5.1 Fixed Side Wall Grab Bars. Fixed side wall grab bars shall be 42 inches (1065 mm) minimum in length, located 12 inches (305 mm) maximum from the rear wall and extending 54 inches (1370 mm) minimum from the rear wall. In addition, a vertical grab bar 18 inches (455 mm) minimum in length shall be mounted with the bottom of the bar located between 39 inches (990 mm) and 41 inches (1040 mm) above the floor, and with the center line of the bar located between 39 inches (990 mm) and 41 inches (1040 mm) from the rear wall.



Enlarged Toilet Plan
SCALE: 1/4" = 1'-0"

REVISIONS
R1 State Corrections 12-02-08

DAVIS APPLIED TECHNICAL COLLEGE
REMODEL OF COSMETOLOGY AREA

DATC MAIN CAMPUS C-WING
DFCM PROJECT NO. 08084220

CLIENT
DARRELL HUNTING, DFCM

OWNER:
STATE OF UTAH
DFCM

SHEET TITLE
MAIN FLOOR REMODEL PLAN

DRAWING DATE
DECEMBER 2, 2008

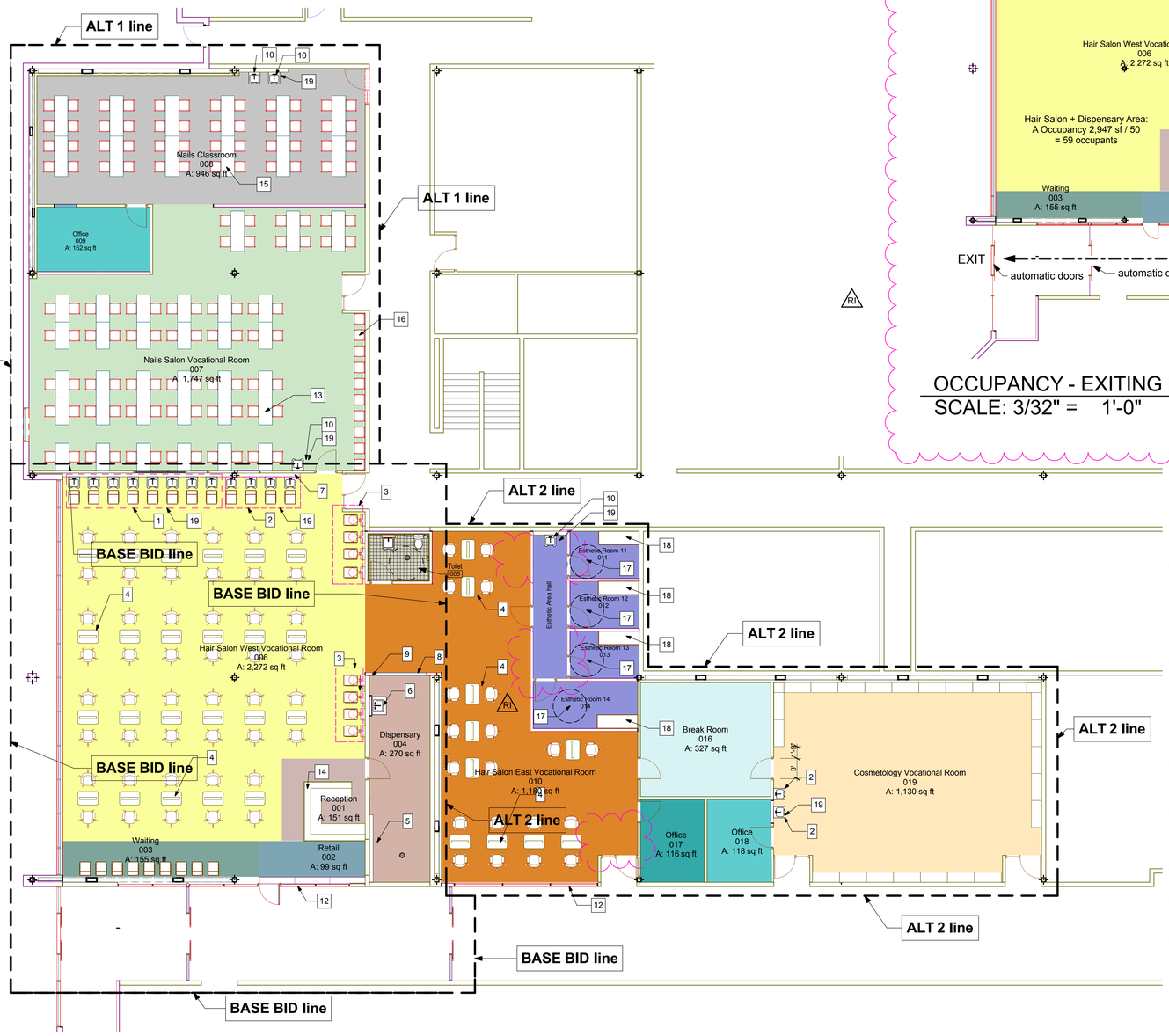
STATE OF UTAH
ERIN R. SILVA
No. 342350
LICENSED ARCHITECT

ARCHITECT:
Scheer & Scheer, Inc.
776 N. EAST CAPITOL BLVD.
SALT LAKE CITY, UT 84103
(801) 355-1303
WWW.SCHEERANDSCHEER.COM

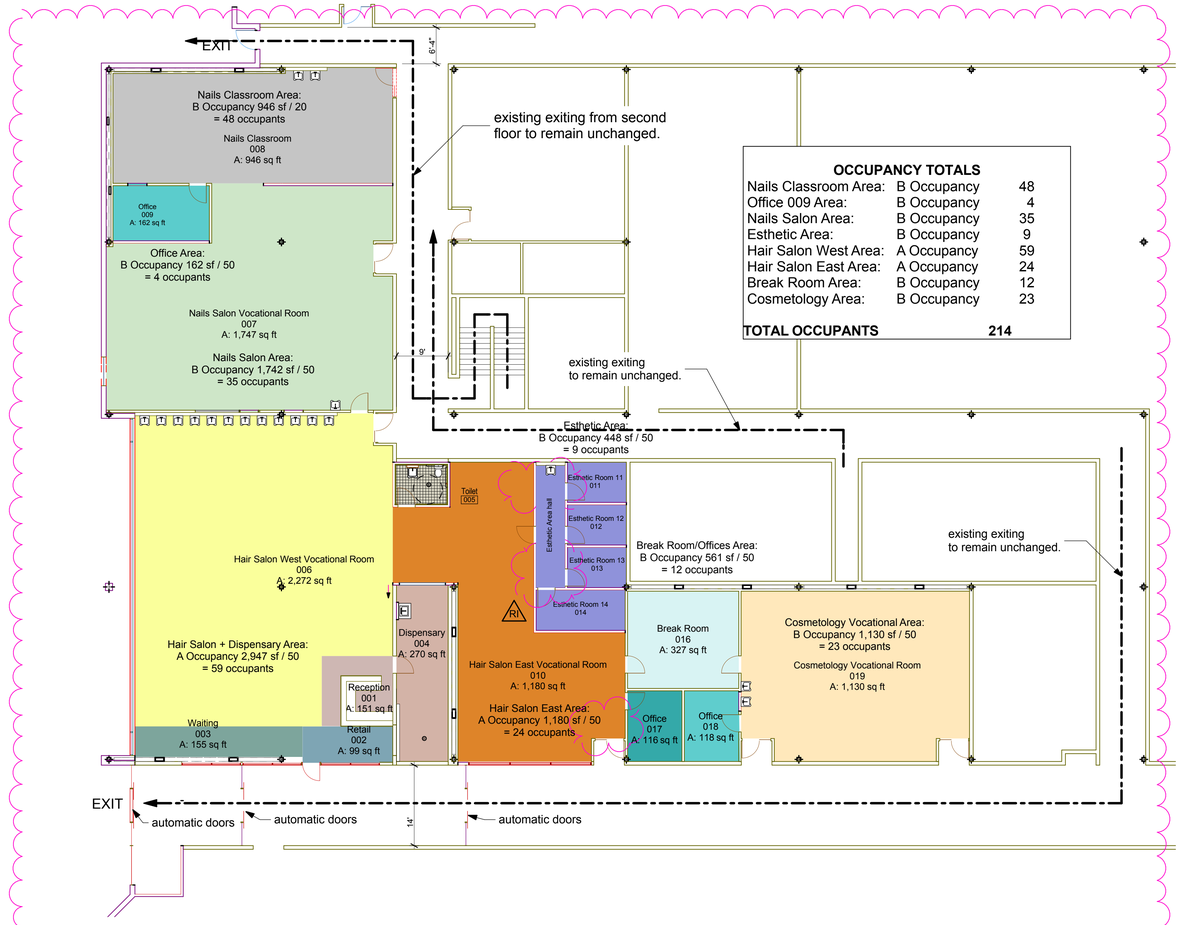
SHEET NO.
A02
R1

C:\DAVIS APPLIED TECH COLLEGE\CURRENT MODEL\A0806 DATC FINAL MODEL.plnA0806 DATC FINAL MODEL.pln

ANSI 308.3.2 Obstructed High Reach. Where a clear floor or ground space allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 46 inches (1170 mm) maximum for a reach depth of 24 inches (610 mm) maximum.



FURNITURE & EQUIPMENT PLAN
SCALE: 1/8" = 1'-0"



OCCUPANCY TOTALS

Nails Classroom Area:	B Occupancy	48
Office 009 Area:	B Occupancy	4
Nails Salon Area:	B Occupancy	35
Esthetic Area:	B Occupancy	9
Hair Salon West Area:	A Occupancy	59
Hair Salon East Area:	A Occupancy	24
Break Room Area:	B Occupancy	12
Cosmetology Area:	B Occupancy	23
TOTAL OCCUPANTS		**214**

OCCUPANCY - EXITING PLAN
SCALE: 3/32" = 1'-0"

FURNITURE & EQUIPMENT PLAN KEY NOTES

1. Move existing hair washing sinks to this location.Mount all sinks so that top edge is not higher than 34" from fin. floor per ANSI 308.3.2
2. New hair washing sinks (4).Mount all sinks so that top edge is not higher than 34" from fin. floor per ANSI 308.3.2
3. Hair dryer locations.
4. Typical existing cosmetology station.
5. Locate existing washers and dryers to this new location.
6. New laundry style sink.Mount all sinks so that top edge is not higher than 34" from fin. floor per ANSI 308.3.2
7. New 36" high 2X6 steel stud wall with 10" wide plastic laminate shelf on top.
8. New Dispensary window with 10" wide plastic laminate counter and 8050 lockable roll-up door.
9. New lockable roll up door into Dispensary.
10. New hand sink.Mount all sinks so that top edge is not higher than 34" from fin. floor per ANSI 308.3.2
11. New storefront between hall and Cosmetology Area.
12. New storefront between hall and Reception Area.
13. Typical nails station.
14. Reception and sales desk. Disassemble and store during construction, then rebuild and reinstall in same location. **Modify Reception desk as follows:** Provide a 36" wide section so that top edge is not higher than 34" from fin. floor per ANSI 308.3.2.
15. Typical classroom tables and chairs.
16. Typical classroom chairs.
17. Maneuvering room per ANSI 304.
18. Esthetic table 25" wide X 72" long.
19. All pipes under lavatories and sinks shall be protected per ANSI 606.6.

REVISIONS
RI State Corrections 12-02-08

DAVIS APPLIED TECHNICAL COLLEGE

REMODEL OF COSMETOLOGY AREA

DATC MAIN CAMPUS C-WING

DFCM PROJECT NO. 08084220

RI

CLIENT
DARRELL HUNTING, DFCM

OWNER:
STATE OF UTAH DFCM

SHEET TITLE
FURNITURE PLAN OCCUPANCY PLAN

DRAWING DATE
DECEMBER 2, 2008

STATE OF UTAH — ERIN R. SILVA — No. 342300 — LICENSED ARCHITECT

ARCHITECT:
Scheer & Scheer, Inc.
776 N. EAST CAPITOL BLVD.
SALT LAKE CITY, UT 84103
(801) 355-1303
WWW.SCHEERANDSCHEER.COM

SHEET NO.

A03

C:\DAVIS APPLIED TECH COLLEGE\CURRENT MODEL\A0806 DATC FINAL MODEL.pln A0806 DATC FINAL MODEL.pln

SMACNA

HVAC Duct Construction Standards Metal and Flexible • Third Edition

A.9

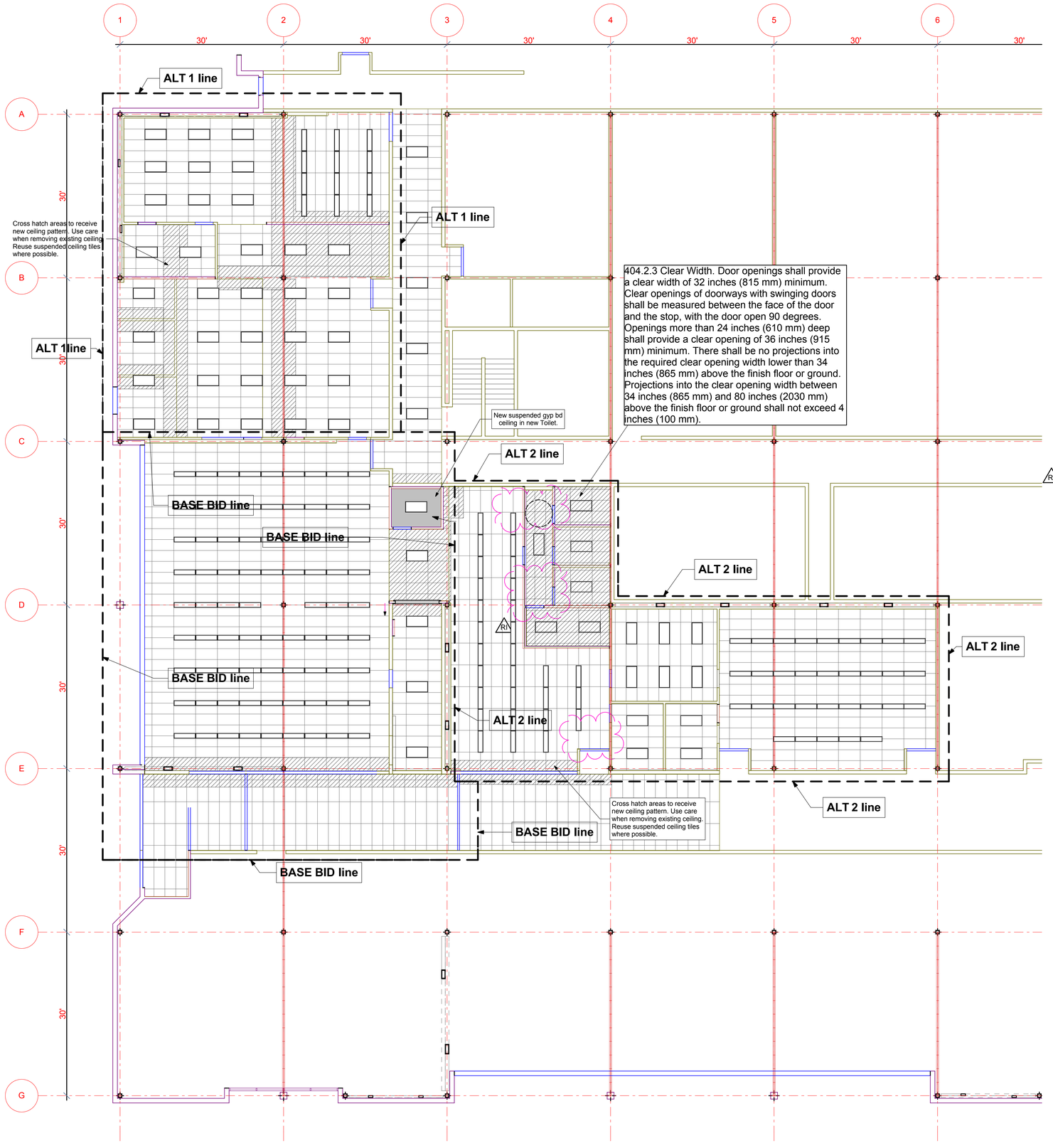
GA. / DIA.	30S	30L	28S	28L	26S	26L	24S	24L	22S	22L	20S	20L	18S	18L	16S	16L
3"	0.6	0.60	0.7	0.71	0.9	0.82	1.0	1.05	1.2	1.28	1.3	1.51	2.0	1.97		2.42
4"	0.8	0.77	0.9	0.92	1.2	1.06	1.3	1.36	1.5	1.65	1.8	1.94	2.6	2.53		3.12
5"	0.9	0.94	1.1	1.12	1.4	1.3	1.6	1.66	2.0	2.02	2.3	2.38	3.2	3.10		3.81
6"	1.1	1.11	1.4	1.32	1.7	1.54	2.0	1.96	2.4	2.39	2.6	2.81	3.7	3.66	5.0	4.51
7"	1.3	1.28	1.6	1.53	1.9	1.77	2.4	2.26	2.8	2.75	3.3	3.24	4.3	4.23	5.8	5.20
8"	1.5	1.46	1.9	1.73	2.1	2.01	2.6	2.57	3.2	3.12	3.7	3.68	4.8	4.79	6.7	5.90
9"	1.6	1.63	2.0	1.94	2.3	2.25	3.0	2.87	3.5	3.49	4.0	4.11	5.3	5.36	7.5	6.60
10"	1.9	1.80	2.2	2.14	2.5	2.48	3.3	3.17	4.0	3.86	4.7	4.54	6.0	5.92	8.3	7.29
11"	2.0	1.97	2.4	2.35	2.8	2.72	3.6	3.48	4.4	4.23	5.1	4.98	6.7	6.49		7.99
12"	2.2	2.14	2.6	2.55	30	2.96	3.8	3.78	4.7	4.60	5.2	5.41	7.2	7.05	10.0	8.68
14"		2.49	3.0	2.96	3.5	3.43	4.4	4.38	5.4	5.33	6.4	6.28	8.3	8.19	11.7	10.08
16"		2.83	3.4	3.37	4.0	3.91	5.1	4.99	6.2	6.07	7.3	7.15	9.4	9.32	13.4	11.47
18"		3.18	3.8	3.78	4.4	4.38	5.7	5.59	6.9	6.80	8.1	8.01	10.5	10.45	15.0	12.86
20"			4.2	4.19	5.0	4.85	6.4	6.20	7.8	7.54	9.0	8.88	11.7	11.58	16.7	14.25
22"			4.7	4.60	5.4	5.33	7.0	6.80	8.4	8.28	9.9	9.75	12.9	12.71	18.4	15.64
24"			5.2	5.01	6.0	5.80	7.8	7.41	9.5	9.01	11.0	10.62	14.4	13.64	20.0	17.04
26"					6.6	6.28	8.5	8.02	10.3	9.75	12.2	11.48	15.8	14.97	21.7	18.43
28"					7.0	6.75	8.9	8.62	11.0	10.49	12.9	12.35	16.5	16.10	23.4	19.82
30"					7.1	7.23	9.3	9.23	11.8	11.22	13.6	13.22	17.2	17.23	25.0	21.21
32"						7.70	10.1	9.83	12.6	11.96	14.6	14.09	18.9	18.36	26.7	22.60
34"						8.18		10.44		12.70		14.95		19.49		24.00
36"						8.65	11.5	11.05	14.2	13.43	16.6	15.82	21.5	20.62	30.0	25.39
40"						9.60	12.8	12.26	15.5	14.91	16.5	17.56	23.8	23.88	33.4	28.17
44"						10.55	14.4	13.47	17.4	16.38	20.5	19.29	26.7	25.15	36.7	30.96
48"						11.50	15.4	14.68	18.7	17.85	22.2	21.03	29.2	27.41	40.1	33.74
50"							16.0	15.28	19.5	18.59	23.3	21.89	30.0	28.54	41.7	35.13
54"								16.50		20.06		23.63		30.80	45.1	37.91
56"								17.10		20.79		24.50		31.93	46.7	39.31
60"								18.31		22.27		26.23		34.19	50.1	42.09
72"								21.95		26.69		31.44		40.98		50.44
84"								25.58		31.11		36.64		47.76		58.79

Approximate Weight - Round Duct In Pounds Per Linear Foot

NOTE: 1. Liner and/or exterior insulation weight excluded.
2. Based on galvanized steel. Investigate tolerance for closer estimates

either S = Spiral duct - from manufacturers published tables
L = Longitudinal seam with 1½ " seam allowance

THE ABOVE CHART SHOWS WEIGHTS OF ROUND DUCTWORK. THE LARGEST NEW DUCTS IN THE PROJECT TO BE ATTACHED TO THE EXISTING STRUCTURE IS 18" DIAMETER. THIS YIELDS A LOAD OF LESS THAN 6 POUNDS A LINEAR FOOT WHICH IS NEGLIGIBLE FOR THE EXISTING STEEL TRUESSES NOW IN PLACE.



REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

REVISIONS

1 State Corrections 12-02-08

DAVIS APPLIED TECHNICAL COLLEGE

REMODEL OF COSMETOLOGY AREA

DATC MAIN CAMPUS C-WING

DFCM PROJECT NO. 08084220

CLIENT
DARRELL HUNTING, DFCM

OWNER:
STATE OF UTAH
DFCM

SHEET TITLE

REFLECTED CEILING PLAN

DRAWING DATE
DECEMBER 2, 2008

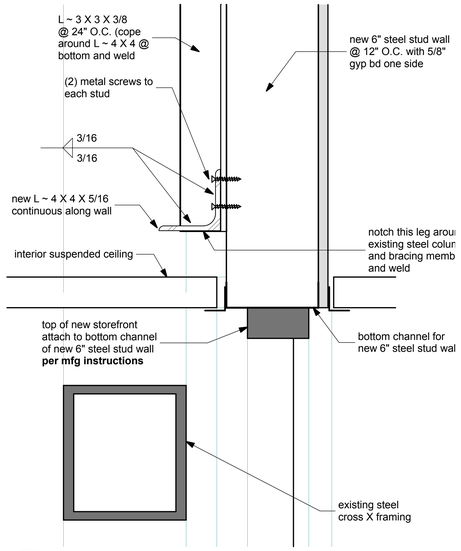
STATE OF UTAH
ERIN R. SILVA
No. 342809
LICENSED ARCHITECT

ARCHITECT:
Scheer & Scheer, Inc.
776 N. EAST CAPITOL BLVD.
SALT LAKE CITY, UT 84103
(801) 355-1303
WWW.SCHEERANDSCHEER.COM

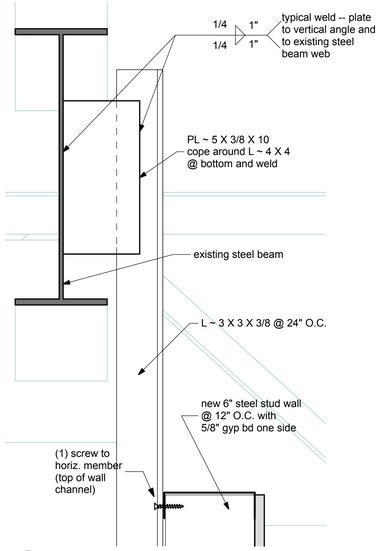
SHEET NO.

A04

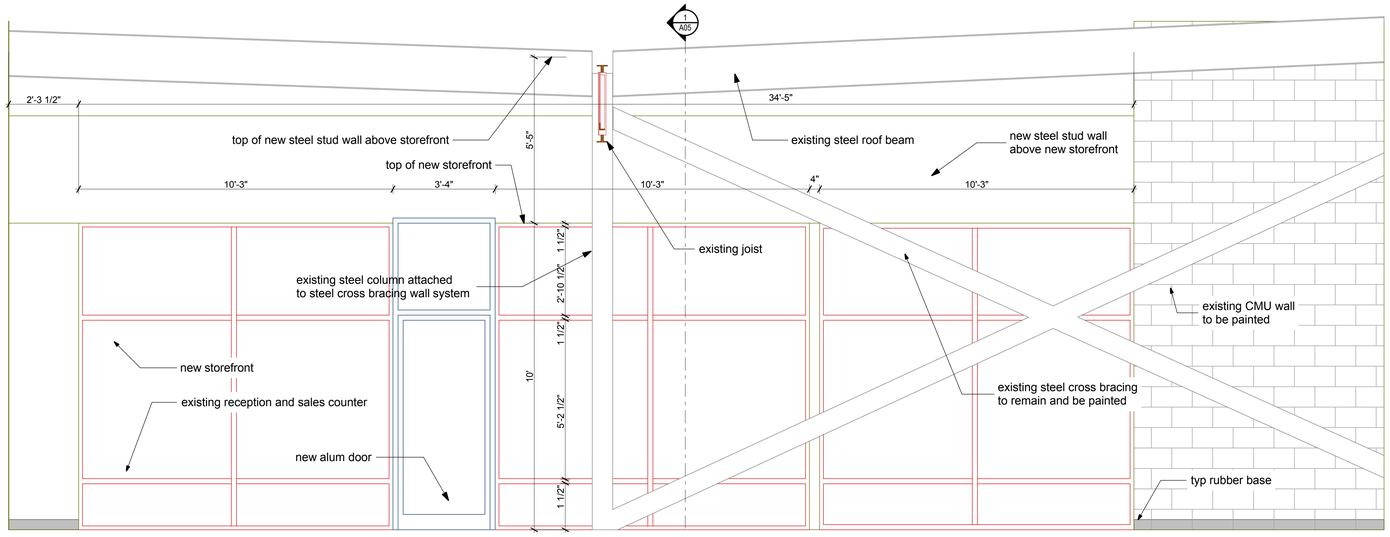
C:\DAVIS APPLIED TECH COLLEGE\CURRENT MODEL\A0806 DATC FINAL MODEL.pln A0806 DATC FINAL MODEL.pln



8 STOREFRONT BRACING DETAIL 2
SCALE: 3" = 1'-0"



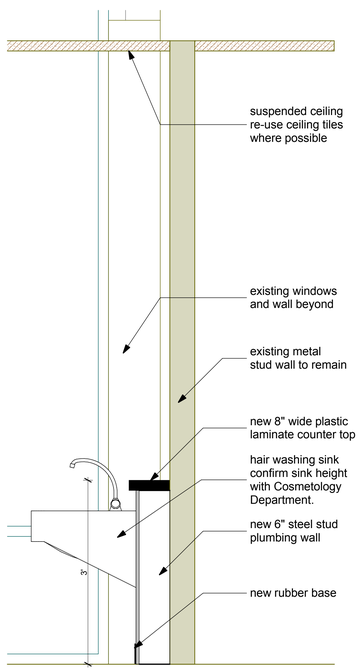
7 STOREFRONT BRACING DETAIL 1
SCALE: 3" = 1'-0"



2 STOREFRONT STRUCTURAL ELEVATION BASE BID
SCALE: 1/2" = 1'-0"

6 TYPICAL NEW CMU WALL
SCALE: 1" = 1'-0"

5 STOREFRONT 2 (ALT 2 PHASE)
SCALE: 1" = 1'-0"



4 SINK PLUMBING WALL
SCALE: 1" = 1'-0"

3 DISPENSARYSERVICE DOOR BASE BID
SCALE: 1" = 1'-0"

1 STOREFRONT 1 BASE BID
SCALE: 1" = 1'-0"

C:\DAVIS APPLIED TECH COLLEGE\CURRENT MODEL\A0806 DATC FINAL MODEL.pln A0806 DATC FINAL MODEL.pln

Revisions

1 State Corrections 12-02-08

Davis Applied Technical College

Remodel of Cosmetology Area

DATC MAIN CAMPUS C-WING

DFCM Project No. 08084220

Client
Darrell Hunting, DFCM

Owner:
State of Utah
DFCM

Sheet Title

WALL SECTIONS & DETAILS

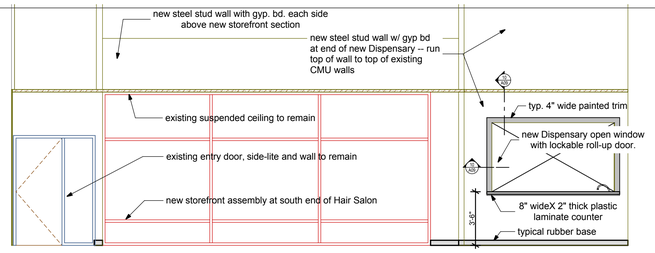
Drawing Date
December 2, 2008

STATE OF UTAH
ERIN R. SILVA
No. 342350
LICENSED ARCHITECT

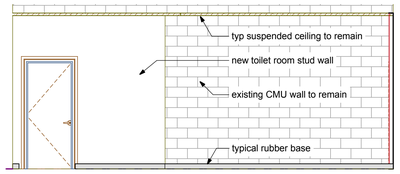
Architect:
Scheer & Scheer, Inc.
776 N. East Capitol Blvd.
Salt Lake City, UT 84103
(801) 355-1303
www.scheerandscheer.com

Sheet No.

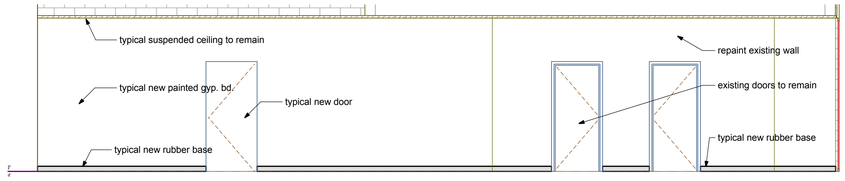
A05



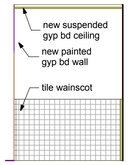
4 HAIR SALON east SOUTH WALL
SCALE: 1/4" = 1'-0"



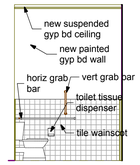
1 HAIR SALON east NORTH WALL
SCALE: 1/4" = 1'-0"



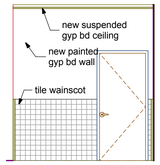
2 HAIR SALON east EAST WALL
SCALE: 1/4" = 1'-0"



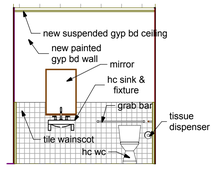
8 TOILET EAST WALL
SCALE: 1/4" = 1'-0"



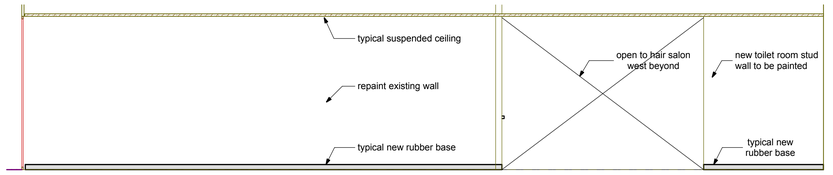
7 TOILET WEST WALL
SCALE: 1/4" = 1'-0"



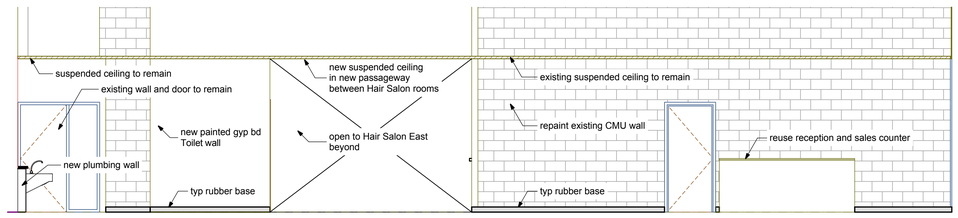
6 TOILET SOUTH WALL
SCALE: 1/4" = 1'-0"



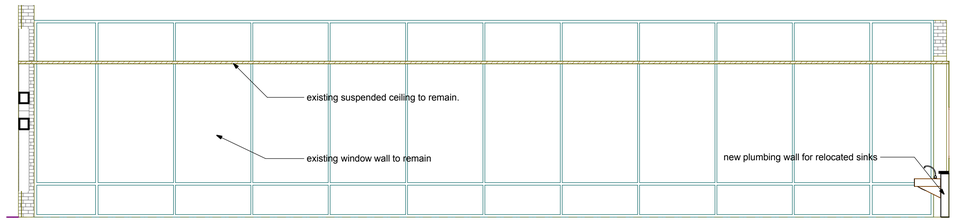
5 TOILET NORTH WALL
SCALE: 1/4" = 1'-0"



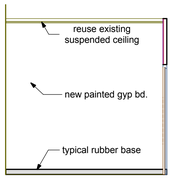
3 HAIR SALON east WEST WALL
SCALE: 1/4" = 1'-0"



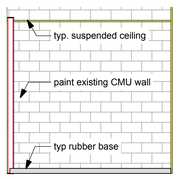
10 HAIR SALON west EAST WALL
SCALE: 1/4" = 1'-0"



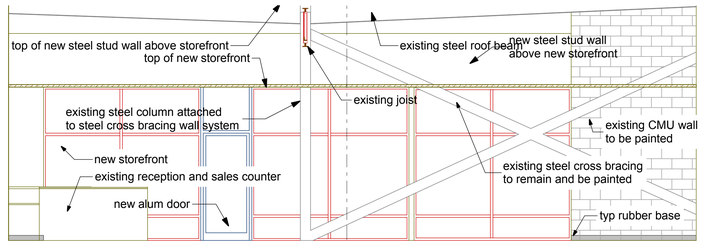
9 HAIR SALON west WEST WALL
SCALE: 1/4" = 1'-0"



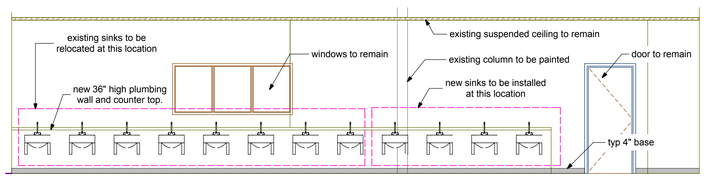
14 ESTHETIC RM #11 SOUTH
SCALE: 1/4" = 1'-0"



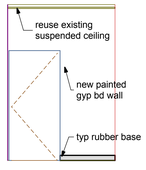
13 ESTHETIC RM #11 NORTH
SCALE: 1/4" = 1'-0"



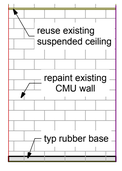
12 HAIR SALON west SOUTH WALL
SCALE: 1/4" = 1'-0"



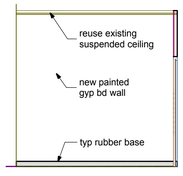
11 HAIR SALON west NORTH WALL
SCALE: 1/4" = 1'-0"



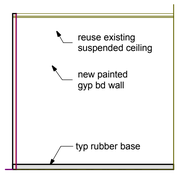
20 ESTHETIC RM #12 WEST
SCALE: 1/4" = 1'-0"



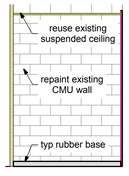
19 ESTHETIC RM #12 EAST
SCALE: 1/4" = 1'-0"



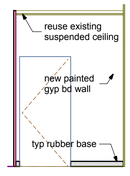
18 ESTHETIC RM #12 SOUTH
SCALE: 1/4" = 1'-0"



17 ESTHETIC RM #12 NORTH
SCALE: 1/4" = 1'-0"



16 ESTHETIC RM #11 EAST
SCALE: 1/4" = 1'-0"



15 ESTHETIC RM #11WEST
SCALE: 1/4" = 1'-0"

C:\DAVIS APPLIED TECH COLLEGE\CURRENT MODEL\A0806 DATC FINAL MODEL.pln A0806 DATC FINAL MODEL.pln

Revisions

1 State Corrections 12-02-08

Davis Applied Technical College

Remodel of Cosmetology Area

DATC MAIN CAMPUS C-WING

DFCM Project No. 08084220

1

Client
Darrell Hunting, DFCM

Owner:
State of Utah
DFCM

Sheet Title

INTERIOR ELEVATIONS #1

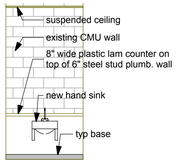
Drawing Date
December 2, 2008

STATE OF UTAH
ERIN R. SILVA
No. 342300
LICENSED ARCHITECT

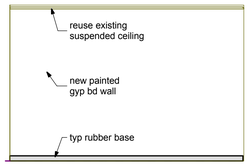
Architect:
Scheer & Scheer, Inc.
776 N. East Capitol Blvd.
Salt Lake City, UT 84103
(801) 355-1303
www.scheerandscheer.com

Sheet No.

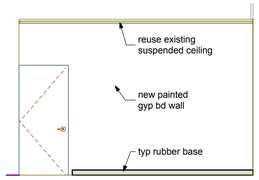
A06



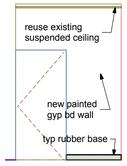
29 ESTHETIC HALL NORTH
SCALE: 1/4" = 1'-0"



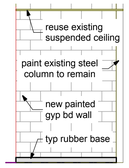
6 ESTHETIC RM #14 SOUTH
SCALE: 1/4" = 1'-0"



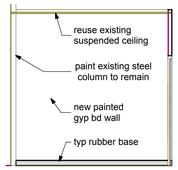
5 ESTHETIC RM #14 NORTH
SCALE: 1/4" = 1'-0"



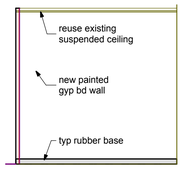
4 ESTHETIC RM #13 WEST
SCALE: 1/4" = 1'-0"



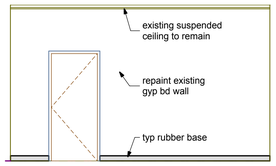
3 ESTHETIC RM #13 EAST
SCALE: 1/4" = 1'-0"



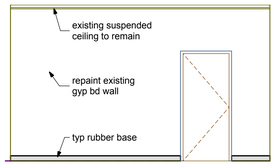
2 ESTHETIC RM #13 SOUTH
SCALE: 1/4" = 1'-0"



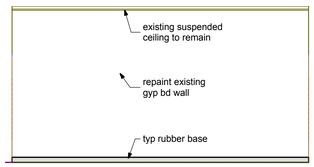
1 ESTHETIC RM #13 NORTH
SCALE: 1/4" = 1'-0"



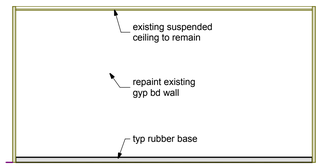
12 BREAK RM WEST
SCALE: 1/4" = 1'-0"



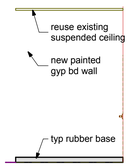
11 BREAK RM EAST
SCALE: 1/4" = 1'-0"



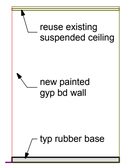
10 BREAK RM SOUTH
SCALE: 1/4" = 1'-0"



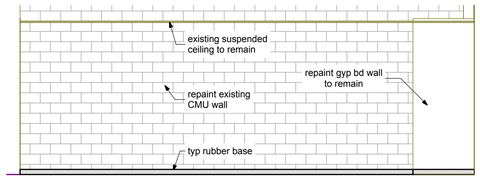
9 BREAK RM NORTH
SCALE: 1/4" = 1'-0"



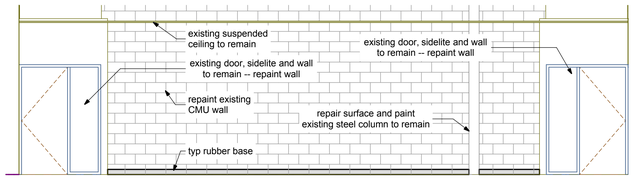
8 ESTHETIC RM #14 WEST
SCALE: 1/4" = 1'-0"



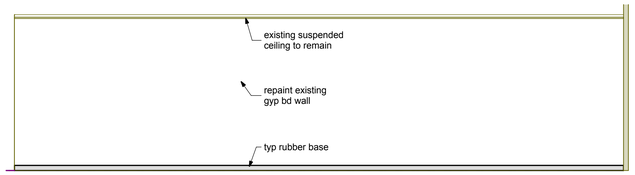
7 ESTHETIC RM #14 EAST
SCALE: 1/4" = 1'-0"



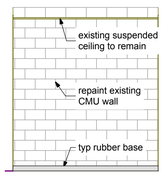
15 HAIR COSMETOLOGY CLASSROOM EAST
SCALE: 1/4" = 1'-0"



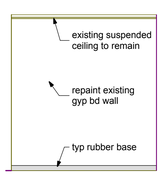
14 HAIR COSMETOLOGY CLASSROOM SOUTH
SCALE: 1/4" = 1'-0"



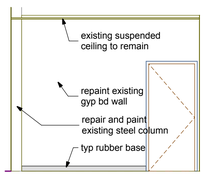
13 HAIR COSMETOLOGY CLASSROOM NORTH
SCALE: 1/4" = 1'-0"



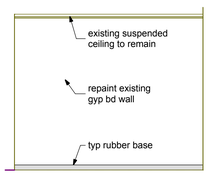
22 OFFICE 018 SOUTH
SCALE: 1/4" = 1'-0"



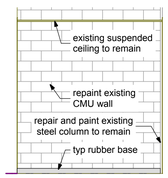
21 OFFICE 018 NORTH
SCALE: 1/4" = 1'-0"



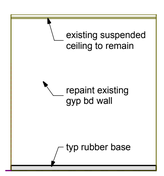
20 OFFICE 017 WEST
SCALE: 1/4" = 1'-0"



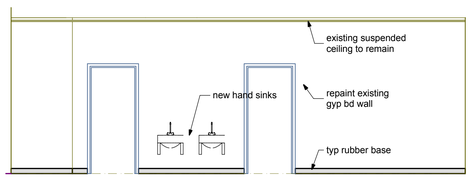
19 OFFICE 017 EAST
SCALE: 1/4" = 1'-0"



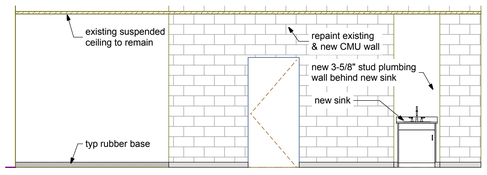
18 OFFICE 017 SOUTH
SCALE: 1/4" = 1'-0"



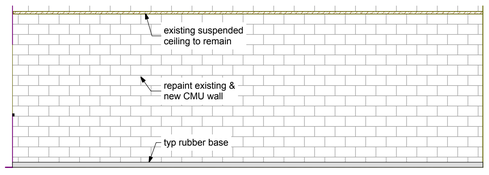
17 OFFICE 017 NORTH
SCALE: 1/4" = 1'-0"



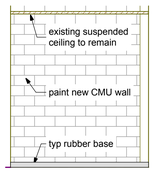
16 HAIR COSMETOLOGY CLASSROOM WEST
SCALE: 1/4" = 1'-0"



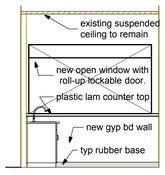
28 DISPENSARY WEST
SCALE: 1/4" = 1'-0"



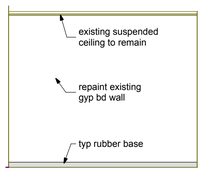
27 DISPENSARY EAST
SCALE: 1/4" = 1'-0"



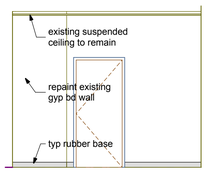
26 DISPENSARY SOUTH
SCALE: 1/4" = 1'-0"



25 DISPENSARY NORTH
SCALE: 1/4" = 1'-0"



24 OFFICE 018 WEST
SCALE: 1/4" = 1'-0"



23 OFFICE 018 EAST
SCALE: 1/4" = 1'-0"

C:\DAVIS APPLIED TECH COLLEGE\CURRENT MODEL\A0806 DATC FINAL MODEL.pln A0806 DATC FINAL MODEL.pln

Revisions

1 State Corrections 12-02-08

Davis Applied Technical College

Remodel of Cosmetology Area

DATC MAIN CAMPUS C-WING

DFCM Project No. 08084220

1 Client
Darrell Hunting, DFCM

Owner:
State of Utah
DFCM

Sheet Title

INTERIOR ELEVATIONS #2

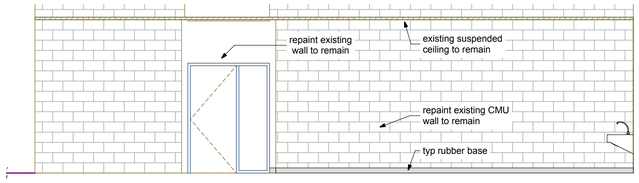
Drawing Date
December 2, 2008

STATE OF UTAH
ERIN R. SILVA
No. 342300
LICENSED ARCHITECT

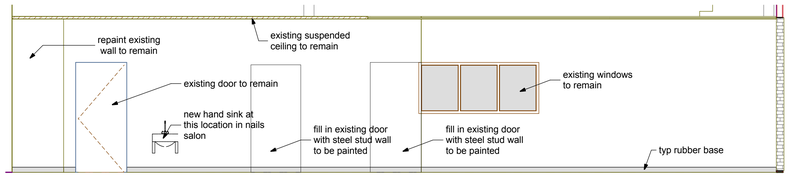
Architect:
Scheer & Scheer, Inc.
776 N. East Capitol Blvd.
Salt Lake City, UT 84103
(801) 355-1303
www.scheerandscheer.com

Sheet No.

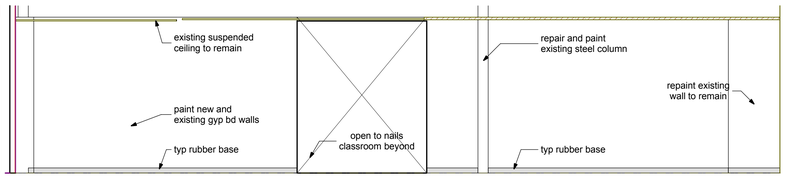
A07



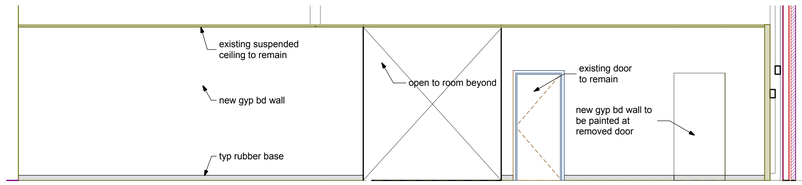
3 NAILS SALON EAST
SCALE: 1/4" = 1'-0"



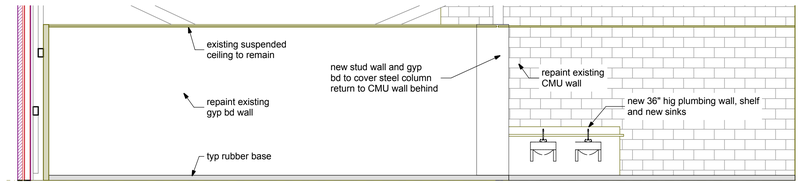
2 NAILS SALON SOUTH
SCALE: 1/4" = 1'-0"



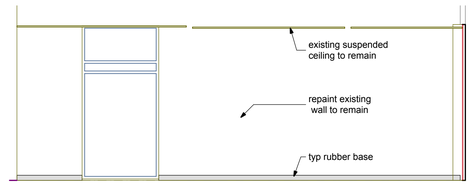
1 NAILS SALON NORTH
SCALE: 1/4" = 1'-0"



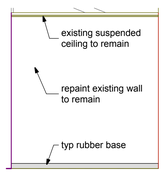
6 NAILS CLASSROOM SOUTH
SCALE: 1/4" = 1'-0"



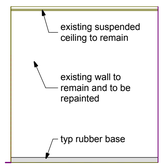
NAILS CLASSROOM NORTH
SCALE: 1/4" = 1'-0"



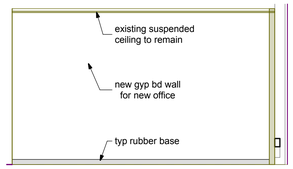
4 NAILS SALON WEST
SCALE: 1/4" = 1'-0"



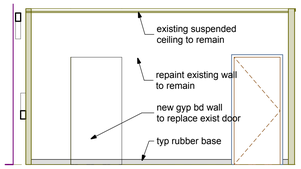
12 OFFICE 009 WEST
SCALE: 1/4" = 1'-0"



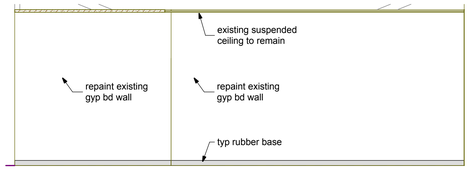
11 OFFICE 009 EAST
SCALE: 1/4" = 1'-0"



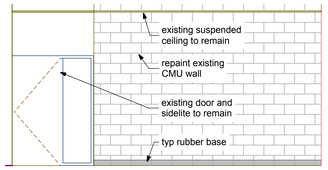
10 OFFICE 009 SOUTH
SCALE: 1/4" = 1'-0"



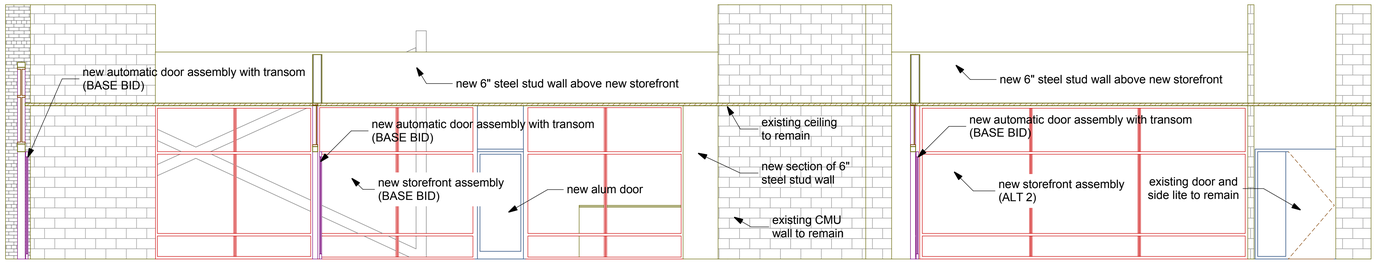
9 OFFICE 009 NORTH
SCALE: 1/4" = 1'-0"



8 NAILS CLASSROOM WEST
SCALE: 1/4" = 1'-0"



7 NAILS CLASSROOM EAST
SCALE: 1/4" = 1'-0"



13 STOREFRONT EXTERIOR ELEVATION (CORRIDOR SIDE) -- BASE BID AND ALT 2
SCALE: 1/4" = 1'-0"

C:\DAVIS APPLIED TECH COLLEGE\CURRENT MODEL\A0806 DATC FINAL MODEL.pln A0806 DATC FINAL MODEL.pln

REVISIONS

1 State Corrections 12-02-08

DAVIS APPLIED TECHNICAL COLLEGE

REMODEL OF COSMETOLOGY AREA

DATC MAIN CAMPUS C-WING

DFCM PROJECT NO. 08084220

CLIENT
DARRELL HUNTING, DFCM

OWNER:
STATE OF UTAH
DFCM

SHEET TITLE

INTERIOR ELEVATIONS #3

DRAWING DATE
DECEMBER 2, 2008

STATE OF UTAH
ERIN R. SILVA
No. 342350
LICENSED ARCHITECT

ARCHITECT:
Scheer & Scheer, Inc.
776 N. EAST CAPITOL BLVD.
SALT LAKE CITY, UT 84103
(801) 355-1303
WWW.SCHEERANDSCHEER.COM

SHEET NO.

A08

DOOR LEGEND

ID	Quantity	W x H Size	2D Symbol	3D Front View	Door Notes
DN01	1	3'x7'			Aluminum store front door by storefront mfg. with dead bolt lockset
DN02	1	3'x7'			Toilet Room door with self closer and privacy lock
DN04	1	3'x7'			Typical passage set.
DN05	1	3'x7'			Typical passage set.
DN06	1	3'x7'			Typical passage set.
DN07	1	3'x7'			Typical passage set.
DN08	1	3'x7'			Typical passage set.

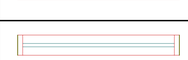
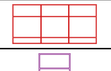
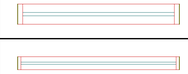
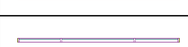
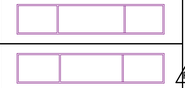
WINDOW SCHEDULE BASE BID

MARK	SIZE		TYPE	MATERIAL	NOTES
	WIDTH	HEIGHT			
SF01	4'	7'	fixed	Aluminium	Exterior side window panels -- part of new automatic door assembly
SF02	10'-3"	10'	fixed	Aluminium	New Storefront Between Reception and Hall with tempered glass
SF03	10'-3"	10'	fixed	Aluminium	New Storefront Between Reception and Hall with tempered glass
SF04	10'-3"	10'	fixed	Aluminium	New Storefront Between Reception and Hall with tempered glass
SF05	4'	7'	fixed	Aluminium	Side lite next to new automatic aoor assembly
SF06	4'	7'	fixed	Aluminium	Side lite next to new automatic aoor assembly
SF07	4'	7'	fixed	Aluminium	Side lite next to new automatic aoor assembly
SF08	4'	7'	fixed	Aluminium	Side lite next to new automatic aoor assembly
TR01	4'	5'	fixed	Aluminium	Exterior side transom above new automatic door assembly (2 TOTAL)
TR02	6'-2 7/8"	5'	fixed	Aluminium	Exterior center transom above new automatic door assembly (1TOTAL)
TR03	14'	2'-10"	fixed	Aluminium	Storefront transom above new interior automatic door assembly.
TR04	14'	2'-10"	fixed	Aluminium	Storefront transom above new interior automatic door assembly.

WINDOW SCHEDULE ALT 2

MARK	SIZE		TYPE	MATERIAL	NOTES
	WIDTH	HEIGHT			
SF09	21'-4 3/4"	10'	fixed	Aluminium	New storefront between Cosmetology East and exit corridor with tempered glass.

Window Legend

ID	Quantity	W x H Size	2D Symbol	3D Front View
SF01	2	4'x7'		
SF02	1	10'-3"x10'		
SF03	1	10'-3"x10'		
SF04	1	10'-3"x10'		
SF05	1	4'x7'		
SF06	1	4'x7'		
SF07	1	4'x7'		
SF08	1	4'x7'		
SF09	1	21'-4 3/4"x10'		
TR01	2	4'-1/16"x5'		
TR02	1	6'-2 15/16"x5'		
TR03	1	14'x2'-10"		
TR04	1	14'x2'-10"		

DOOR AND FRAME SCHEDULE

MARK	DOOR SIZE W	DOOR SIZE HT	DOOR SIZE THK	DOOR MATL	DOOR GLZ	FRAME MATL	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FRAME DETAIL SILL	HARDWARE SET NO	HARDWARE KEYSIDE RM NO	NOTES
DN01	3'	7'	0'-1 5/8"	---	Temp	ALUM	ALUM	ALUM	ALUM			Aluminum Storefront with panic bar inside -- security lockset
DN02	3'	7'	0'-1 3/8"	SC		HM	HM	HM	--			Toilet hardware set with privacy lock and self-closer.
DN04	3'	7'	0'-1 3/8"	SC		HM	HM	HM	--			Passage hardware set.
DN05	3'	7'	0'-1 3/8"	SC		HM	HM	HM	--			Passage hardware set.
DN06	3'	7'	0'-1 3/8"	SC		HM	HM	HM	--			Passage hardware set.
DN07	3'	7'	0'-1 3/8"	SC		HM	HM	HM	--			Passage hardware set.
DN08	3'	7'	0'-1 3/8"	SC		HM	HM	HM	--			Passage hardware set.

DOOR SCHEDULE AUTOMATIC DOORS (BASE BID)

MARK	DOOR SIZE W	DOOR SIZE HT	DOOR SIZE THK	DOOR MATL	DOOR GLZ	FRAME MATL	FRAME DETAIL HEAD	FRAME DETAIL JAMB	FRAME DETAIL SILL	HARDWARE SET NO	HARDWARE KEYSIDE RM NO	NOTES
DE01	6'	7'	0'-1 3/4"		temp		alum	alum	alum			Horizontal Automatic Sliding Doors shall comply with IBC Sections 1008.1.3.2 "Power-operated doors" and 1008.1.3.3 "Horizontal sliding doors"
DE02	6'	7'	0'-1 3/4"		temp		alum	alum	alum			
DE03	6'	7'	0'-1 3/4"		temp		alum	alum	alum			

ANSI 404.2.3 Clear Width. Door openings shall provide a clear width of 32 inches (815 mm) minimum. Clear openings of doorways with swinging doors shall be measured between the face of the door and the stop, with the door open 90 degrees. Openings more than 24 inches (610 mm) deep shall provide a clear opening of 36 inches (915 mm) minimum. There shall be no projections into the required clear opening width lower than 34 inches (865 mm) above the finish floor or ground. Projections into the clear opening width between 34 inches (865 mm) and 80 inches (2030 mm) above the finish floor or ground shall not exceed 4 inches (100 mm).

ROOM FINISH SCHEDULE BASE BID

ROOM NO.	ROOM NAME	Wall Finlsh/NORTH	Wall Finish/SOUTH	Wall Finish/EAST	Wall Finish/WEST	FLOORING	BASE	REMARKS
001	Reception			paint CMU		Laminated Wood	rubber base	chemical resistant flooring
002	Retail		storefront			Laminated Wood	rubber base	chemical resistant flooring
003	Waiting	paint gyp bd	storefront			Laminated Wood	rubber base	chemical resistant flooring
004	Dispensary	paint gyp bd	paint cmu	paint cmu	paint cmu	Laminated Wood	rubber base	chemical resistant flooring
005	Toilet	4' tile wainscot/paint gyp bd	4' tile wains/paint gyp bd	4' tile wainscot/paint gyp bd above	4' tile wains/paint gyp bd	Vinyl	vinyl cove base	Vinyl floor and base to comply with IBC Section 1210
006	Hair Salon West	paint gyp bd	paint CMU/storefront	paint CMU/gyp bd	windows	Laminated Wood	rubber base	chemical resistant flooring

ROOM FINISH SCHEDULE ALT 1

ROOM NO.	ROOM NAME	Wall Finlsh/NORTH	Wall Finish/SOUTH	Wall Finish/EAST	Wall Finish/WEST	FLOORING	BASE	REMARKS
007	Nails Salon	paint gyp bd	paint gyp bd	paint/CMU	paint gyp bd	Laminated Wood	rubber base	chemical resistant flooring
008	Nails Classroom	paint gyp bd	paint gyp bd	paint gyp bd	paint gyp bd	Laminated Wood	rubber base	chemical resistant flooring
009	Office	paint/gyp bd	paint/gyp bd	paint/gyp bd	paint/gyp bd	Carpet	rubber base	chemical resistant flooring

RFALT2 ROOM FINISH SCHEDULE ALT 2

ROOM NO.	ROOM NAME	Wall Finlsh/NORTH	Wall Finish/SOUTH	Wall Finish/EAST	Wall Finish/WEST	FLOORING	BASE	REMARKS
011	Esthetic Room 11	paint gyp bd	paint gyp bd	paint gyp bd	paint gyp bd	Laminated Wood	rubber base	
012	Esthetic Room 12	paint gyp bd	paint gyp bd	paint gyp bd	paint gyp bd	Laminated Wood	rubber base	
013	Esthetic Room 13	paint gyp bd	paint gyp bd	paint gyp bd	paint gyp bd	Laminated Wood	rubber base	
014	Esthetic Room 14	paint gyp bd	paint gyp bd	paint gyp bd	paint gyp bd	Laminated Wood	rubber base	
015	Esthetic Area hall	paint gyp bd	paint gyp bd	paint gyp bd	paint gyp bd	Laminated Wood	rubber base	
016	Break Room	paint gyp bd	paint gyp bd	paint gyp bd	paint gyp bd	Existing Flooring	rubber base	
017	Office	paint gyp bd	paint gyp bd	paint gyp bd	paint gyp bd	Existing Flooring	rubber base	exist floor to remain
018	Office	paint gyp bd	paint gyp bd	paint gyp bd	paint gyp bd	Existing Flooring	rubber base	exist floor to remain
019	Cosmetology Clas...	paint gyp bd	paint CMU	paint gyp bd	paint gyp bd	Laminated Wood		

HEADER SECTION VIEW

HEADER PLAN VIEW

10 DISPENSARY NORTH WALL HEADER DETAIL
SCALE: 3" = 1'-0"

9 DISPENSARY NORTH WALL FRAMING
SCALE: 1/2" = 1'-0"

C:\DAVIS APPLIED TECH COLLEGE\CURRENT MODEL\A0806 DATC FINAL MODEL.pln A0806 DATC FINAL MODEL.pln

Revisions
1 State Corrections 12-02-08

Davis Applied Technical College

Remodel of Cosmetology Area

DATC Main Campus C-Wing
DFCM Project No. 08084220

Client
Darrell Hunting, DFCM

Owner:
State of Utah DFCM

Sheet Title
DOOR & WINDOW & FINISH SCHEDULES / DETAILS

Drawing Date
December 2, 2008

STATE OF UTAH
ERIN R. SILVA
No. 342350
LICENSED ARCHITECT

Architect:
Scheer & Scheer, Inc.
776 N. East Capitol Blvd.
Salt Lake City, UT 84103
(801) 355-1303
www.scheerandscheer.com

Sheet No.
A09

GLOSSARY FOR THIS DOCUMENT (regional terminology may vary)

CLOSURE ANGLES
Wall molding that surrounds the perimeter of the suspension system and ceiling tiles.

CROSS TEES
The cross member that interlock with the main beams, also known as cross runners or cross T-bars.

DIFFUSER
A circular or rectangular metal grill used for the passage of air from a ducted system.

ESSENTIAL SERVICE BUILDINGS
Any buildings designed to be used by public agencies as a fire station, police station, emergency operations center, State Patrol office, sheriff's office, or emergency communication dispatch center.

GRID
The main beams and cross tees of the suspension system.

HANGER WIRE
10 or 12 gage soft annealed wire used as primary support for the grid system. Also called suspension wires.

LATERAL FORCE BRACING
The bracing method used to prevent ceiling uplift or restrict lateral movement during a seismic event. Lateral force bracing consists of vertical struts and splay wires.

MAIN BEAM
The primary suspension member supported by hanger wires, also known as the main runner, carrying tee, carrying runner or mains.

MOLDING
A light gauge metal angel or channel fastened to the wall or partition to support the perimeter of an acoustical tile or ceiling.

PERIMETER WIRES
Hanger wires placed within eight inches of the surrounding walls.

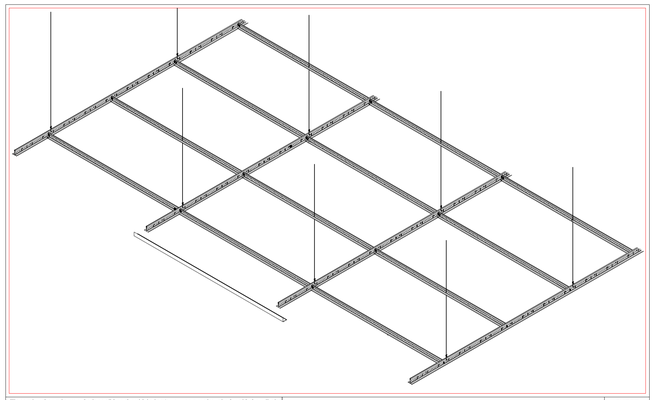
PLENUM
The space above a suspended ceiling.

SLACK WIRE
A 12 gage wire that is not tight or taut.

SPREADER or SPACER BAR
A bar with notches to prevent the suspension system from separating, also called a stabilizer bar.

SPLAY WIRES
Wires installed at an angle rather than perpendicular to the grid.

VERTICAL STRUTS
The rigid vertical member used in lateral force bracing of the suspension system. Also known as compression posts, seismic posts, seismic struts. Common materials are electrical conduit (EMT), metal studs or proprietary products.



These drawings show typical conditions in which the Armstrong product depicted is installed. They are not a substitute for an architect's or engineer's plan and do not reflect the unique requirements of local building codes, laws, statutes, ordinances, rules and regulations (Legal Requirements) that may be applicable for a particular installation.
Armstrong does not warrant, and assumes no liability for the accuracy or completeness of the drawings for a particular installation or their fitness for a particular purpose.
advised to consult with a duly licensed architect or engineer in the particular locale of the installation to assure compliance with all Legal Requirements.
Field verify all conditions and dimensions
Armstrong is not licensed to provide professional architecture or engineering design services.

DWG. TITLE:	TYPICAL DRYWALL GRID LAYOUT			SHEET . OF .
DWG. NO. ISO	PATH:	REV: .	DATE: .	
DATE: 11/12/04	SCALE:	DESC: .		
DRAWN BY: MSS	CHK BY:	.		

TechLine Armstrong CEILING SYSTEMS * ARMSTRONG WORLD INDUSTRIES, INC. * Lancaster, PA * Phone: 877-ARMSTRONG

- For essential facilities, hanger wire connections must be capable of carrying 200 pounds and bracing (splay) wires shall be capable of carrying 440 pounds, shot-in anchors in concrete are not permitted for bracing wires. *Source Department of State Architects (DSA)/IR M-3*
- Bracing wires shall be attached to the grid and to the structure in such a manner that they can support a design load of not less than 200 pounds or the actual design load, with a safety factor of 2, whichever is greater (figure 6b). *Source CISCA zones 3-4*
- Powder driven fasteners must be approved for the appropriate loading. *Source ASCE 7-02 section 9.6.1.6.5*
- Terminal ends of each main beam and cross tee must be supported within 8 inches of each wall with a perimeter wire (see figure 4 & 5 b). *Source CISCA zones 3-4*

Electrical fixtures

- Light fixtures weighing less than 10 pounds shall have one 12 gage hanger wire connected from the fixture to the structure above. This wire may be slack. *Source CISCA Seismic zones 3-4*
- Light fixtures weighing more than 10 pounds and less than 56 lbs. shall have two 12 gage wires attached at opposing corners of the light fixture to the structure above. These wires may be slack. *Source CISCA Seismic zones 3-4*
- Light Fixtures weighing more than 56 lbs. shall be supported by directly from the structure above. These wires must be taut. *Source CISCA Seismic zones 3-4*
- Pendant mounted fixtures shall be directly supported from the structure above using a 9 gage wire or an approved alternate support without using the ceiling suspension system for direct support. *Source CISCA Seismic zones 3-4*
- Tandem fixtures may utilize common wires.

Mechanical Services

- Terminals or services weighing 20 lbs. but not more than 56 lbs. must have two 12 gage wires connecting them to the ceiling system hangers or the structure above. These wires may be slack. *Source CISCA Seismic zones 3-4*
- Terminals or services weighing more than 56 lbs. must be independently supported directly from the structure above. These wires must be taut. *Source CISCA Seismic zones 3-4*

Seismic Separation Joints *(figure 7)*

For ceiling areas exceeding 2500 square feet, a seismic separation joint or full height wall partition that breaks the ceiling shall be provided unless analyses are performed of the ceilings bracing system, closure angles and penetrations to provide sufficient clearance. *Source ASCE 7-02 Item 9.6.2.6.2.2 d*

The layout and location of the seismic separation joint shall be per the designer of record and noted on the plans. If a seismic separation joint is required by the designer, the designer may use the generic joint detailed in this document or a proprietary joint. The amount of free movement (gap design) shall be per the designer of record.

Special Inspections

Special inspections may be required by the jurisdiction or municipality. Contact the local building department.

Sprinklers

For ceilings without rigid bracing, sprinkler head penetrations shall have a 2 inch oversize ring, sleeve or adapter through the ceiling tile to allow free movement of at least 1 inch in all horizontal directions. Flexible head design that can accommodate 1 inch free movement shall be permitted as an alternate. *Source ASCE 7-02 9.6.2.6.2.2.Item e*

figure 5a

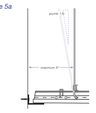


figure 5b **+ Countersloping**

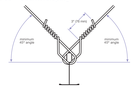


figure 6a

Vertical hanger wire attachment

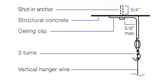


figure 6b

Splayed seismic bracing wire attachment

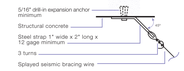


figure 7

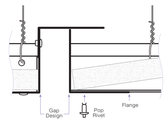


figure 2
Lateral force Bracing

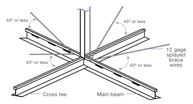


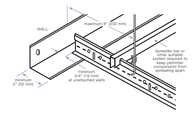
figure 3
Maximum Recommended Lengths for Vertical Struts

EMT CONDUIT	
½" EMT conduit	up to 6' 0"
¾" EMT conduit	up to 8' 6"
1" EMT conduit	up to 10' 0"
1 METAL STUD	
1⅝" metal stud (25 gage)	up to 6' 2"
2 ½" metal stud (25 gage)	up to 10' 6"

Source Portland Building Department

Note: Plenum areas greater than 11'0" will require engineering calculations.

figure 4
Wall Molding Requirements



Lateral Force Bracing *(figures 2 and 3)*

- Ceilings constructed of lath and plaster or gypsum board, screw or nail attached to suspended members that support a ceiling on one level extending from wall to wall shall be exempt from the lateral force bracing requirements. *Source CISCA zones 3-4*
- Lateral force bracing is the use of vertical struts (compression posts) and splay wires (see figure 2).
- Lateral force bracing is required for ceilings over 1,000 square feet and not required for ceilings less than 1,000 square feet provided they are surrounded by four walls and braced to structure. *Source ASCE 7-02 section 9.6.2.6.2.2 Item c*
- Lateral Force Bracing shall be 12 feet on center (maximum) and begin no farther than 6 feet from walls. *Source CISCA Seismic zones 3-4*
- Splay wires are to be four 12 gage wires attached to the main beam. Wires are arrayed 90° from each other and at an angle not exceeding 45° from the plane of the ceiling. *Source CISCA Seismic zones 3-4*
- Splay wires are to be within 2 inches of the connection of the vertical strut to suspended ceiling. *Source CISCA Seismic zones 3-4*
- Rigid bracing may be used in lieu of splay wires. *Source ASCE section 9.6.2.6.2.2*
- Ceilings with plenums less than 12 inches to structure are not required to have lateral force bracing. *Source Portland Building Department*
- Vertical struts must be positively attached to the suspension systems and the structure above. *Source CISCA 3-4*
- The vertical strut may be EMT conduit, metal studs or a proprietary compression post (see figure 3).

Wall Moldings *(figure 4)*

- Wall moldings (perimeter closure angles) are required to have a horizontal flange 2 inches wide, unless alternate methods are approved prior to installation by the local building department and the designer of record. One end of the ceiling grid shall be attached to the wall molding, the other end shall have a ¾ inch clearance from the wall and free to slide. *Source ASCE 7-02 section 9.6.2.6.2.2 Item b*
- The grid shall be attached at two adjacent walls (pop rivets or approved method). *Source CISCA Seismic zones 3-4*
- There shall be a minimum ¾ inch clearance from the end of the grid system at un-attached walls. *Source ASCE 7-02 section 9.6.2.6.2.2 Item b*

Spreader Bars *(figure 4)*

- Spreader (spacer) bars or other means approved by local building department shall be used to prevent the ends of the main beams at perimeter walls from spreading open during a seismic event. Perimeter wires shall not be in lieu of spreader bars. *Source CISCA Seismic zones 3-4*
- Wire tying is an acceptable alternative to spreader bars.
- Spreader bars are not required if a 90 degree intersecting cross or main is within 8 inches of the perimeter wall.

Hanger (Suspension) Wires *(figures 5a and 5b)*

- Hanger and perimeter wires must be plumb within 1 in 6 unless (figure 5a) counter sloping wires are provided (figure 5b). *Source ASTM C 636 section 2.1.4*
- Hanger wires shall be 12 gage and spaced 4 feet on center or 10 gage spaced 5 feet on center. *Source ASTM C 636*
- Any connection device at the supporting construction shall be capable of carrying not less than 100 pounds. *Source CISCA zones 3-4*

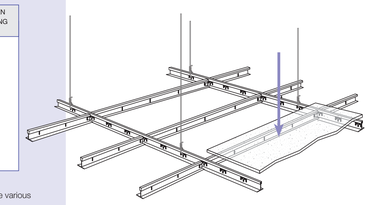
FIELD TECHNICAL INFORMATION
Application recommendations for work at the wall or ceiling

401 6/05

Suspension Systems for Acoustical Lay-in Ceilings

THIS DOCUMENT HAS BEEN APPROVED BY THE BUILDING DEPARTMENT

for official use only



This document provides the various standards for the installation of suspension systems for acoustical lay-in ceilings. Incorporation of this document will provide a more uniform standard for installation and inspection. This document is designed to accomplish the intent of the International Building Code (IBC) with regard to the requirements for seismic design category D for suspended ceilings and related items. Unless supported by engineering or approved by local building department, the suspension system shall be installed per the requirements for Seismic Design Category (SDC) D, E and F per the IBC. Manufacturers' recommendations should be followed

General Recommendations

- Referenced sources per hierarchy: 2003 IBC (International Building Code), American Society of Testing Materials (ASTM C 635, ASTM C 636), American Society of Civil Engineers (ASCE 7-02) and Ceilings and Interior Systems Construction Association (CISCA).
- Partitions that are tied to the ceiling and all partitions greater than 6 feet in height shall be laterally braced to the structure. Bracing shall be independent of the ceiling splay bracing system. *Source IBC section 1621.1.2*

  For further information on bracing of non-load bearing partitions refer to NWCB technical document #201.
- All main beams are to be Heavy Duty (HD). *Source ASCE 7-02 Item 9.6.2.6.2.2a*
- All cross tees shall be capable of carrying the design load without exceeding deflection equal to 1/360 of its span. *Source CISCA zones 3-4*
  - These recommendations are intended for suspended ceilings including grid, panel or tile, light fixtures and air terminals weighing no more the 4 lbs. per square foot. *Source ASCE 7-02 Item 9.6.2.6.1*
  - All wire ties are to be three tight turns around itself within three inches. Twelve gage Hanger wire spaced 4 foot on center *(figure 1)*. *Source ASTM C 636 Item 2.3.4*
  - Changes in ceiling planes will require positive bracing.
    Source ASCE 7-02 Section 9.6.2.6.2.2. Item f.

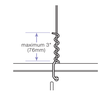
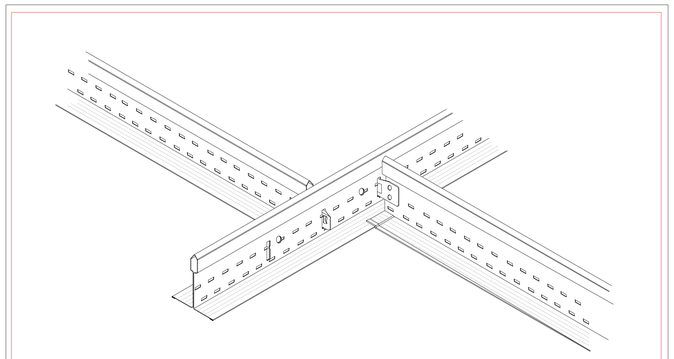


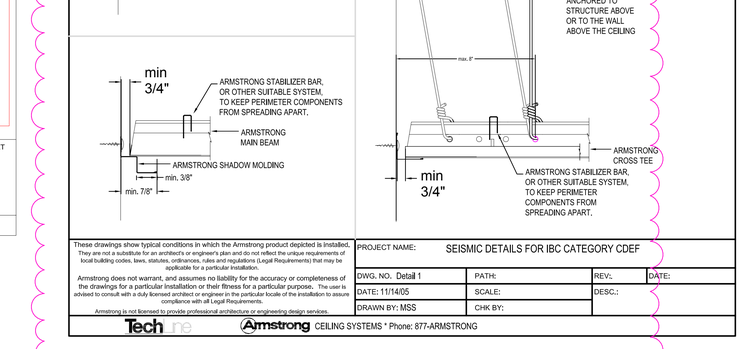
figure 1



These drawings show typical conditions in which the Armstrong product depicted is installed. They are not a substitute for an architect's or engineer's plan and do not reflect the unique requirements of local building codes, laws, statutes, ordinances, rules and regulations (Legal Requirements) that may be applicable for a particular installation.
Armstrong does not warrant, and assumes no liability for the accuracy or completeness of the drawings for a particular installation or their fitness for a particular purpose.
advised to consult with a duly licensed architect or engineer in the particular locale of the installation to assure compliance with all Legal Requirements.
Field verify all conditions and dimensions
Armstrong is not licensed to provide professional architecture or engineering design services.

DWG. TITLE:	DRYWALL GRID INTERFACE OF MAIN BEAM AND CROSS TEE			SHEET . OF .
DWG. NO. DETAIL	PATH:	REV: .	DATE: .	
DATE: 11/8/04	SCALE:	DESC: .		
DRAWN BY: MSS	CHK BY:	.		

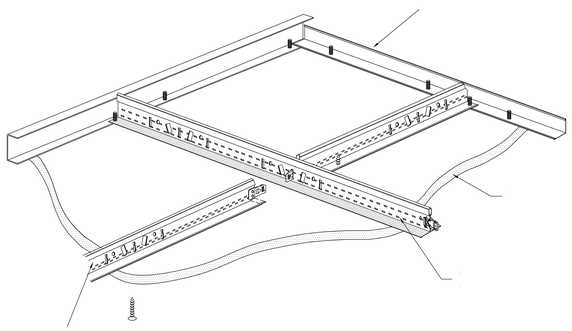
TechLine Armstrong CEILING SYSTEMS * ARMSTRONG WORLD INDUSTRIES, INC. * Lancaster, PA * Phone: 877-ARMSTRONG



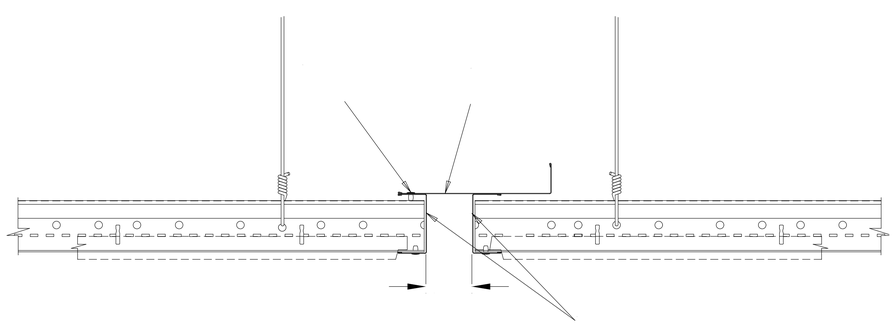
These drawings show typical conditions in which the Armstrong product depicted is installed. They are not a substitute for an architect's or engineer's plan and do not reflect the unique requirements of local building codes, laws, statutes, ordinances, rules and regulations (Legal Requirements) that may be applicable for a particular installation.
Armstrong does not warrant, and assumes no liability for the accuracy or completeness of the drawings for a particular installation or their fitness for a particular purpose. The user is advised to consult with a duly licensed architect or engineer in the particular locale of the installation to assure compliance with all Legal Requirements.
Armstrong is not licensed to provide professional architecture or engineering design services.

PROJECT NAME:	SEISMIC DETAILS FOR IBC CATEGORY CDEF		
DWG. NO. Detail 1	PATH:	REV:.	DATE:
DATE: 11/14/05	SCALE:	DESC.:	
DRAWN BY: MSS	CHK BY:		

TechLine Armstrong CEILING SYSTEMS * Phone: 877-ARMSTRONG



D03 Suspended Byp Bd Ceiling Detail #1
NOT TO SCALE



D11 Suspended Clg Seismic Joint Detail #2
NOT TO SCALE

C:\DAVIS APPLIED TECH COLLEGE\CURRENT MODEL\A0806 DATC FINAL MODEL.pln\A0806 DATC FINAL MODEL.pln

REVISIONS
1 State Corrections 12-02-08

DAVIS APPLIED TECHNICAL COLLEGE

REMODEL OF COSMETOLOGY AREA

DATC MAIN CAMPUS C-WING

DFCM PROJECT NO. 08084220

CLIENT
DARRELL HUNTING, DFCM

OWNER:
STATE OF UTAH DFCM

SHEET TITLE

SUSPENDED CEILING DETAILS

DRAWING DATE
DECEMBER 2, 2008

STATE OF UTAH
ERIN R. SILVA
No. 342350
LICENSED ARCHITECT

ARCHITECT:
Scheer & Scheer, Inc.
776 N. EAST CAPITOL BLVD.
SALT LAKE CITY, UT 84103
(801) 355-1303
WWW.SCHEERANDSCHEER.COM

SHEET NO.

A10

KEYED NOTES FOR DWGS M1.1, M1.2

1. REMOVE EXISTING EQUIPMENT, PIPING, DUCTWORK, ETC. - SHOWN CROSSHATCHED (TYP).
2. RELOCATED THERMOSTAT.
3. EXISTING THERMOSTAT TO REMAIN AS IS.
4. EXISTING THERMOSTAT TO BE CONNECTED TO VAV BOX.
5. THERMOSTAT/STATIC PRESSURE SENSOR FOR RT-1.
6. 4" DIA. DRYER VENTS THRU ROOF, SEE DETAIL.
7. EXISTING HW BASEBOARD TO REMAIN.

1 MECHANICAL DEMOLITION FLOOR PLAN
SCALE: 1/8" = 1'-0"

Revisions

Davis Applied Technical College

Remodel of Cosmetology Area

DATC MAIN CAMPUS C-WING

DFCM Project No. 07264500

Client
Lucas Davis DFCM

OWNER:
State of Utah DFCM

Sheet Title
Mechanical Demolition Floor Plan

Drawing Date
October 8, 2008

LICENSED PROFESSIONAL ENGINEER
No. 172461
RICHARD D. JENSEN
STATE OF UTAH

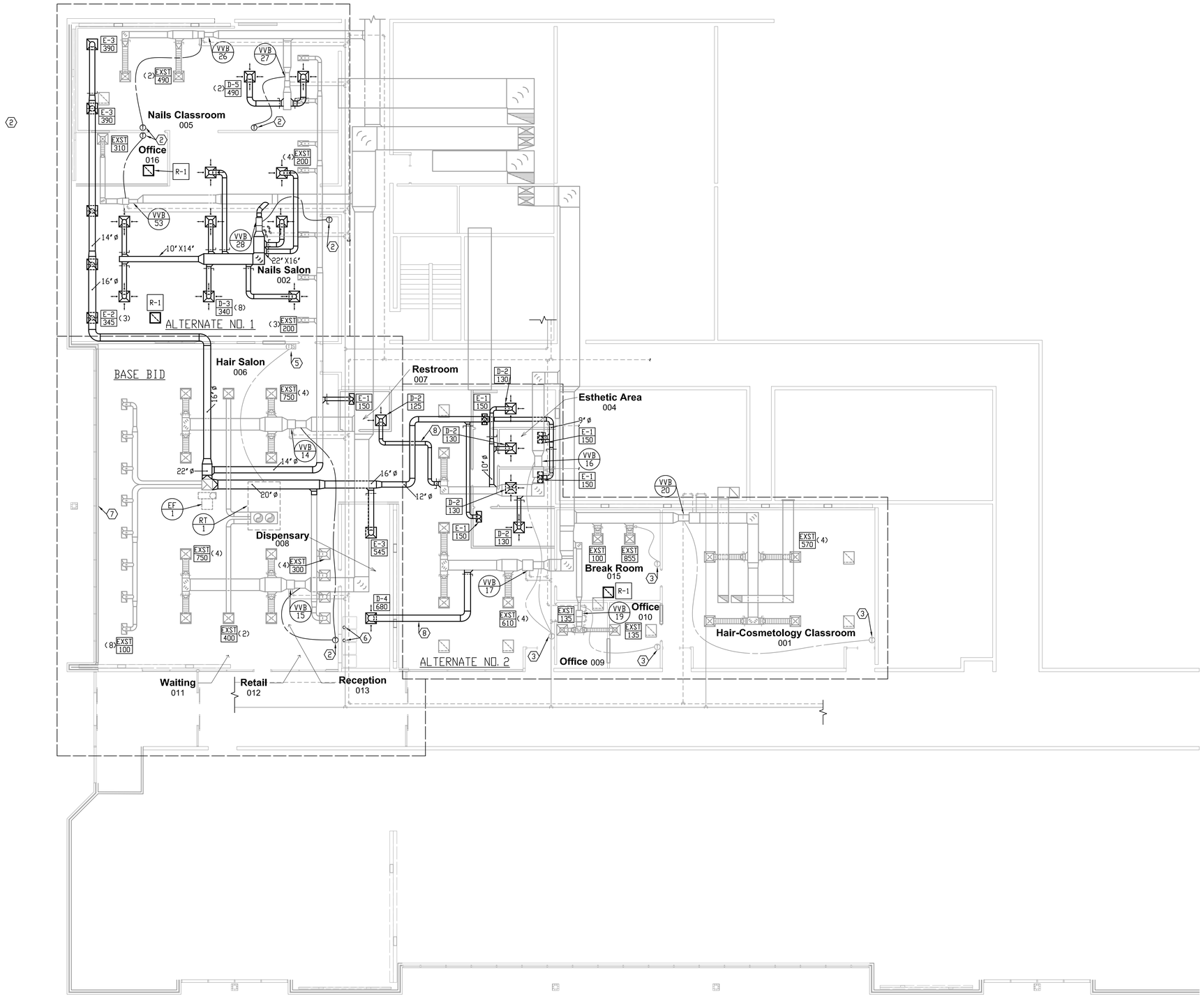
Architect:
Scheer & Scheer, Inc.
776 n. east capitol blvd.
salt lake city, ut 84103
(801) 355-1303
www.scheerandscheer.com

Sheet No.

M-1.01

KEYED NOTES FOR DWGS M1.1, M1.2

1. REMOVE EXISTING EQUIPMENT, PIPING, DUCTWORK, ETC. - SHOWN CROSSHATCHED (TYP).
2. RELOCATED THERMOSTAT.
3. EXISTING THERMOSTAT TO REMAIN AS IS.
4. EXISTING THERMOSTAT TO BE CONNECTED TO VAV BOX.
5. THERMOSTAT/STATIC PRESSURE SENSOR FOR RT-1.
6. 4" DIA. DRYER VENTS THRU ROOF, SEE DETAIL.
7. EXISTING HW BASEBOARD TO REMAIN.
8. INCLUDE WITH BASE BID.



1 MECHANICAL REMODEL FLOOR PLAN
SCALE: 1/8" = 1'-0"

Revisions

Davis Applied Technical College

Remodel of Cosmetology Area

DATC MAIN CAMPUS C-WING

DFCM Project No. 07264500

Client
Lucas Davis DFCM

OWNER:
State of Utah DFCM

Sheet Title
Mechanical Remodel Floor Plan

Drawing Date
October 8, 2008

LICENSED PROFESSIONAL ENGINEER
No. 172461
RICHARD D. JENSEN
STATE OF UTAH

Architect:
Scheer & Scheer, Inc.
776 n. east capitol blvd.
salt lake city, ut 84103
(801) 355-1303
www.scheerandscheer.com

Sheet No.

M-1.02

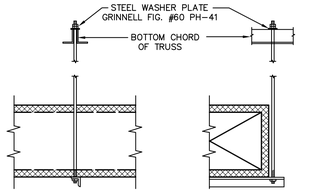
H.V.A.C. LEGEND

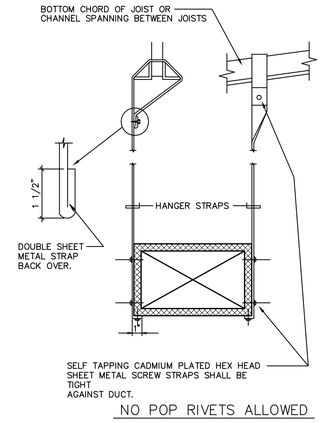
SYMBOL	ABBREVIATION	DESCRIPTION
		BRANCH DUCT TAKE-OFF
		DUCT FLEXIBLE CONNECTION
		TURNING VANES
		DUCT TEE CONNECTION
		DUCT TRANSITION
		SQUARE TO ROUND DUCT TRANSITION
		AUTOMATIC DAMPER
		OPPOSED BLADE VOLUME DAMPER W/ CONCEALED CEILING DPR REGULATOR
		BACK-DRAFT DAMPER
		DUCT ACCESS DOOR
	RA	RETURN AIR, RISE AND DROP
	SA	SUPPLY AIR, RISE AND DROP
	EA	EXHAUST AIR, RISE AND DROP
	OA	OUTSIDE AIR, RISE AND DROP
	ATC	AUTOMATIC TEMP. CONTROL
FD	FD	FIRE DAMPER
FSD	FSD	FIRE SMOKE DAMPER
T		THERMOSTAT
S		SENSOR
X-#		AIR DEVICE
X-# / #		AIR DEVICE CFM
#		REFERENCE NOTE
X / S#		DETAIL NUMBER SHEET DETAIL APPEARS
X / #		EQUIPMENT TYPE EQUIPMENT NUMBER

NOTE: NEW SHOWN DARK, EXISTING SHOWN LIGHT.

HANGER SIZES FOR RECTANGULAR DUCT

MAX. SIDE	HANGER	HORIZONTAL SUPPORT ANGLE	MAXIMUM SPACING
30"	1"x18 GAGE STRAP	NONE REQUIRED	8'-0"
36"	1/4" ROUND ROD	1-1/2"x1-1/2"x1/8"	8'-0"
48"	1/4" ROUND ROD	2" x 2"x 1/8"	8'-0"
60"	5/16" ROUND ROD	2" x 2"x 1/8"	8'-0"
84"	3/8" ROUND ROD	2" x 2"x 1/8"	8'-0"

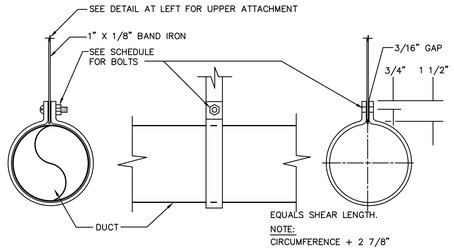




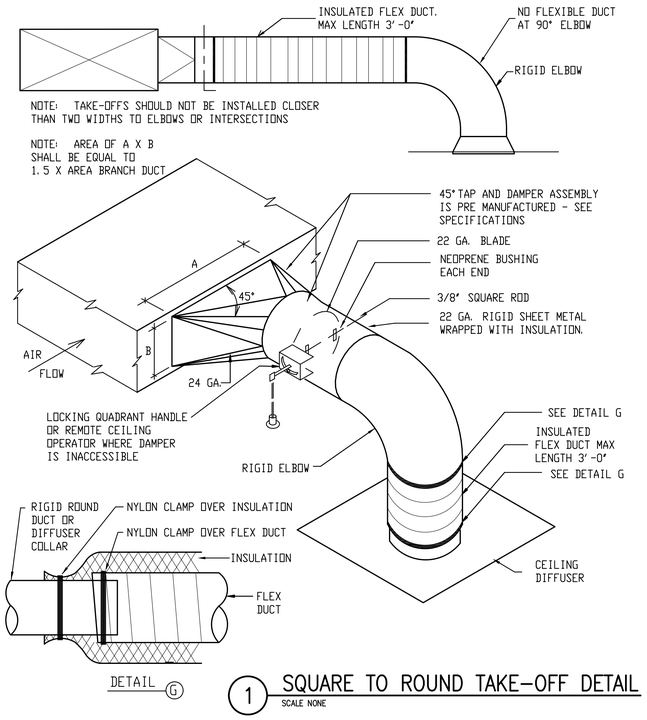
NO POP RIVETS ALLOWED

ROUND DUCT LOW PRESSURE HANGER SCHEDULE

DUCT DIAMETER	MIN. HANGER SIZE GALV. STEEL STRAP	RECOMMENDED SPACING	NO. OF HANGERS	HANGER RING SIZE	BOLT SIZE
UP TO 18"	1" X 1/8"	10 FT.	1	1 X 16 GA.	3/8"
19" TO 36"	1" X 1/8"	10 FT.	1	1" X 1/8"	1/2"
37" TO 50"	1" X 1/8"	10 FT.	1	1" X 1/8"	1/2"

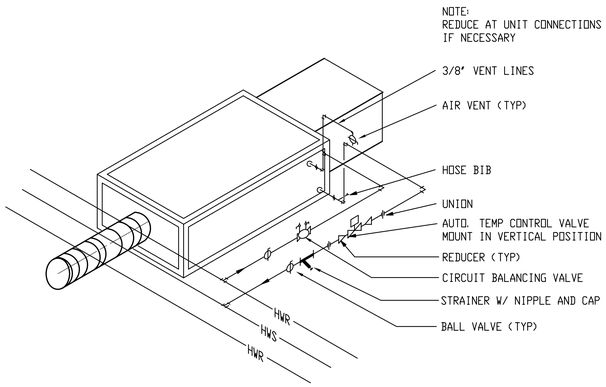


4 DUCT HANGER DETAIL
SCALE NONE

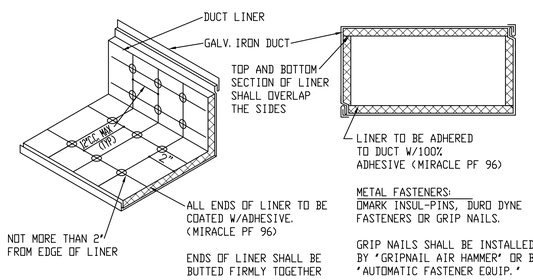


DETAIL G

1 SQUARE TO ROUND TAKE-OFF DETAIL
SCALE NONE



2 VAV BOX PIPING DETAIL WITH 2-WAY AUTO VALVE
SCALE NONE



3 DUCT LINER DETAIL
SCALE NONE

Revisions

Davis Applied Technical College

Remodel of Cosmetology Area

DATC MAIN CAMPUS C-WING

DFCM Project No. 07264500

Client
Lucas Davis DFCM

OWNER:
State of Utah DFCM

Sheet Title

Mechanical Details

Drawing Date

October 8, 2008

LICENSED PROFESSIONAL ENGINEER
No. 172461
RICHARD D. JENSEN
STATE OF UTAH

Architect:
Scheer & Scheer, Inc.
776 n. east capitol blvd.
salt lake city, ut 84103
(801) 355-1303
www.scheerandscheer.com

Sheet No.

M-2.01

ROOFTOP AIR CONDITIONING UNIT SCHEDULE

MARK	NO.	CFM	EXT S.P. IN W.G.	HEATING				COOLING						ELECTRICAL				WEIGHT LBS.	MINIMUM ② O.A. CFM	LENNOX MODEL NUMBER ①
				INPUT MBH	OUTPUT MBH	EAT DEG F	LAT DEG F	TONS	TOTAL MBH	SENS MBH	EAT DEG F DB	EAT DEG F WB	REFR	EFF	MCA	MOCP	VOLTS	PHASE		
RT 1	1	3400	0.625	NA	NA	NA	NA	8.5	96.9	87.2	80	64	R-22	-	-	-	460	3		340	TGA102

① EXISTING UNIT.
② VARIES, PRESSURE CONTROL BY SPACE STATIC SENSOR.

EXHAUST FAN SCHEDULE

EXHAUST FAN NO.	MANUFACTURER AND MODEL NO.	CFM	ST. PR. IN W.G.	HP	VOLTS-PHASE CYCLE	RPM	WEIGHT LBS.	COMMENTS
EF 1	PENN D20DP ①	6360	2.0	7.5 ②③	460/3/60	1880	400	

① EXISTING UNIT.
② UPSIZE MOTOR FROM 3 HP AS SHOWN.
③ VFD CONTROL BY DIVISION 26 (MATCH EXISTING)

VAV BOX SCHEDULE

MARK	AREA SERVED	INLET	PRIMARY AIR CFM		MIN SP	ROOM NC		HEATING COIL				RUNOUT VALVE			MFG & MODEL NUMBER
			MAX	MIN	IN W.G.	DIS.	RAD	ROWS	LAT	GPM	WPD FT WG	SIZE	CV	TYPE	
VVB 14	HAIR SALON	16	3000	570					89	1.8	NA				EXISTING
VVB 15	HAIR SALON	16	3000	570					89	1.8	0.4				EXISTING
VVB 16	ESTHETIC	16	1130	237					81	0.6	2.2				EXISTING
VVB 17	ESTHETIC	16	2510	427					79	1.0	0.3				EXISTING
VVB 18	NOT USED														
VVB 19	OFFICES	5	270	95					78	0.2	0.4				EXISTING
VVB 20	HAIR	14	2280	712					78	1.5	0.5				EXISTING
VVB 21	NOT USED														
VVB 22	NOT USED														
VVB 23	NOT USED														
VVB 24	NOT USED														
VVB 25	NOT USED														
VVB 26	NAILS CR	10	980	570					109	2.9	0.3				EXISTING
VVB 27	NAILS CR	10	980	570					78	1.2	0.3				EXISTING
VVB 28	NAILS SALON	14	2720	1709	0.01	22	28	1	85	4.7	0.3	0.75	2.7	2-WAY	PRICE SDV
VVB 53	OFFICE	8	310	47					136	0.4	0.5				EXISTING

REGISTER AND GRILLE SCHEDULE

MARK	TYPE	MFG.	MODEL	NECK/DUCT SIZE	CFM RANGE	FRAME	MAT.	FINISH	COMMENT
D-1	CEILING DIFFUSER	TITUS	TDC	6" DIA. (6 X 6)	100	TYPE 3	STEEL	WHITE	24 X 24 MODULE ①
D-2	CEILING DIFFUSER	TITUS	TDC	8" DIA. (9 X 9)	200	TYPE 3	STEEL	WHITE	24 X 24 MODULE ①
D-3	CEILING DIFFUSER	TITUS	TDC	10" DIA. (12 X 12)	380	TYPE 3	STEEL	WHITE	24 X 24 MODULE ①
D-4	CEILING DIFFUSER	TITUS	TDC	14" DIA. (18 X 18)	900	TYPE 3	STEEL	WHITE	24 X 24 MODULE ①
D-5	CEILING DIFFUSER	TITUS	TDC	12" DIA. (15X15)	600	TYPE 3	STEEL	WHITE	24 X 24 MODULE ①
R-1	CEILING RETURN	TITUS	PAR	20 X 20	1200	TYPE 3	STEEL	WHITE	24 X 24 MODULE
E-1	CEILING EXHAUST	TITUS	355R	8" DIA. (10 X 20)	200	TYPE 3	STEEL	WHITE	12 X 24 MODULE
E-2	CEILING EXHAUST	TITUS	355R	10" DIA. (20 X 20)	380	TYPE 3	STEEL	WHITE	24 X 24 MODULE
E-3	CEILING EXHAUST	TITUS	355R	12" DIA. (20 X 20)	600	TYPE 3	STEEL	WHITE	24 X 24 MODULE

① SEE DRAWINGS FOR BLOW DIRECTION.

Revisions

Davis Applied Technical College

Remodel of Cosmetology Area

DATC MAIN CAMPUS C-WING

DFCM Project No. 07264500

Client
Lucas Davis DFCM

OWNER:
State of Utah DFCM

Sheet Title

Mechanical Schedules

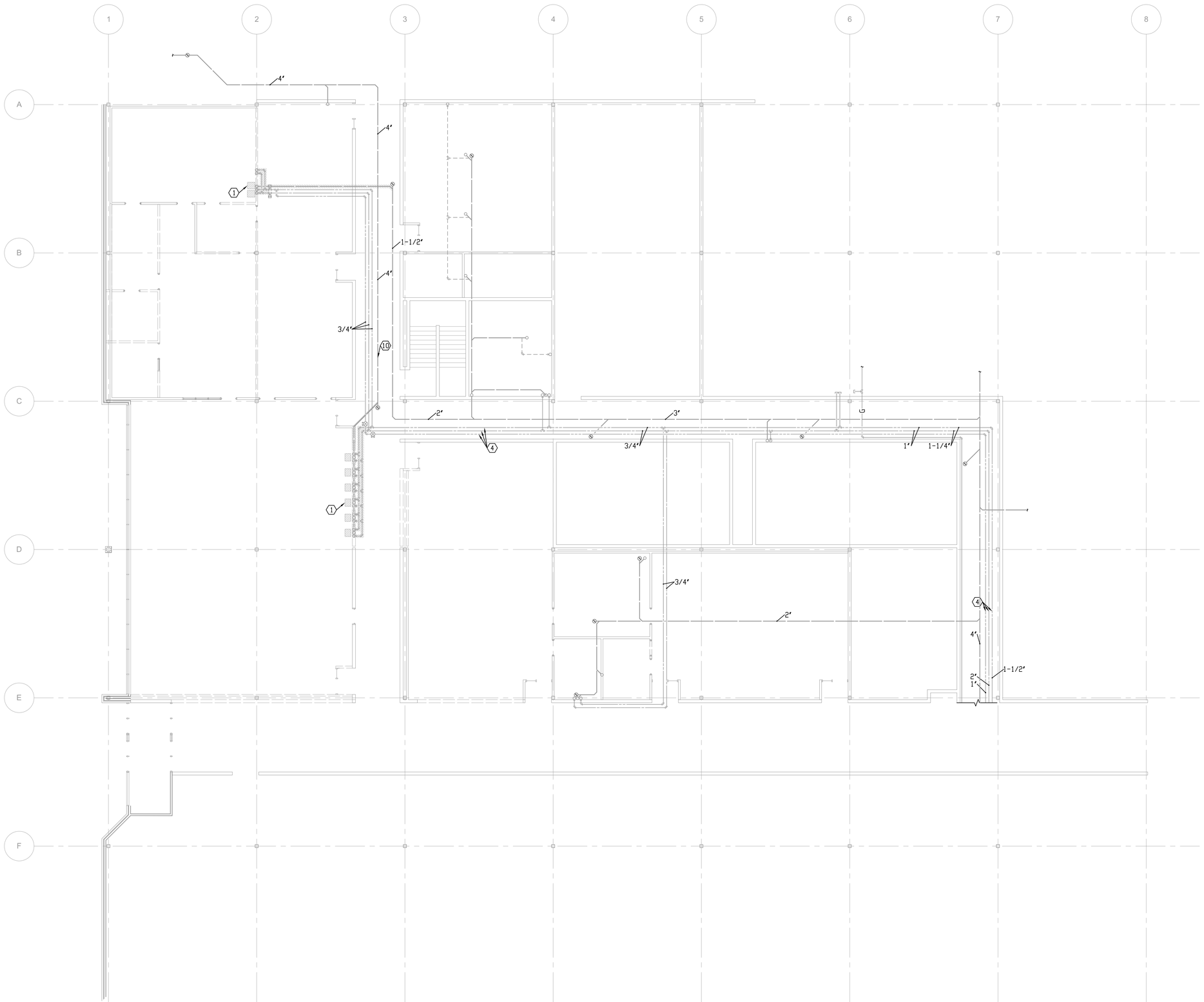
Drawing Date
October 8, 2008

LICENSED PROFESSIONAL ENGINEER No. 172461 RICHARD D. JENSEN STATE OF UTAH

Architect:
Scheer & Scheer, Inc.
776 n. east capitol blvd.
salt lake city, ut 84103
(801) 355-1303
www.scheerandscheer.com

Sheet No.

M-3.01



KEYED NOTES FOR DWGS P1.01, P1.02

1. REMOVE EXISTING FIXTURES, PIPING, ETC. - SHOWN CROSSHATCHED (TYP).
2. CONNECT TO EXISTING WATER PIPING AS SHOWN.
3. NEW WATER PIPING.
4. EXISTING WATER PIPING - VERIFY.
5. NEW DRAIN PIPING.
6. 2" VTR.
7. NEW CIRCUIT BALANCING VALVES - SET TO HALF TOTAL FLOW EA.
8. BALL VALVE (TYP).
9. RUN PIPING IN FALSE WALL.
10. EXISTING DRAIN LINE - VERIFY.
11. CONNECT TO EXISTING DRAIN LINE.
12. NEW FCD.
13. WATER HAMMER ARRESTOR.

1 PLUMBING DEMOLITION FLOOR PLAN
SCALE: 1/8" = 1'-0"

Revisions

Davis Applied Technical College

Remodel of Cosmetology Area

DATC MAIN CAMPUS C-WING

DFCM Project No. 07264500

Client
Lucas Davis DFCM

OWNER:
State of Utah
DFCM

Sheet Title
Plumbing Demolition Floor Plan

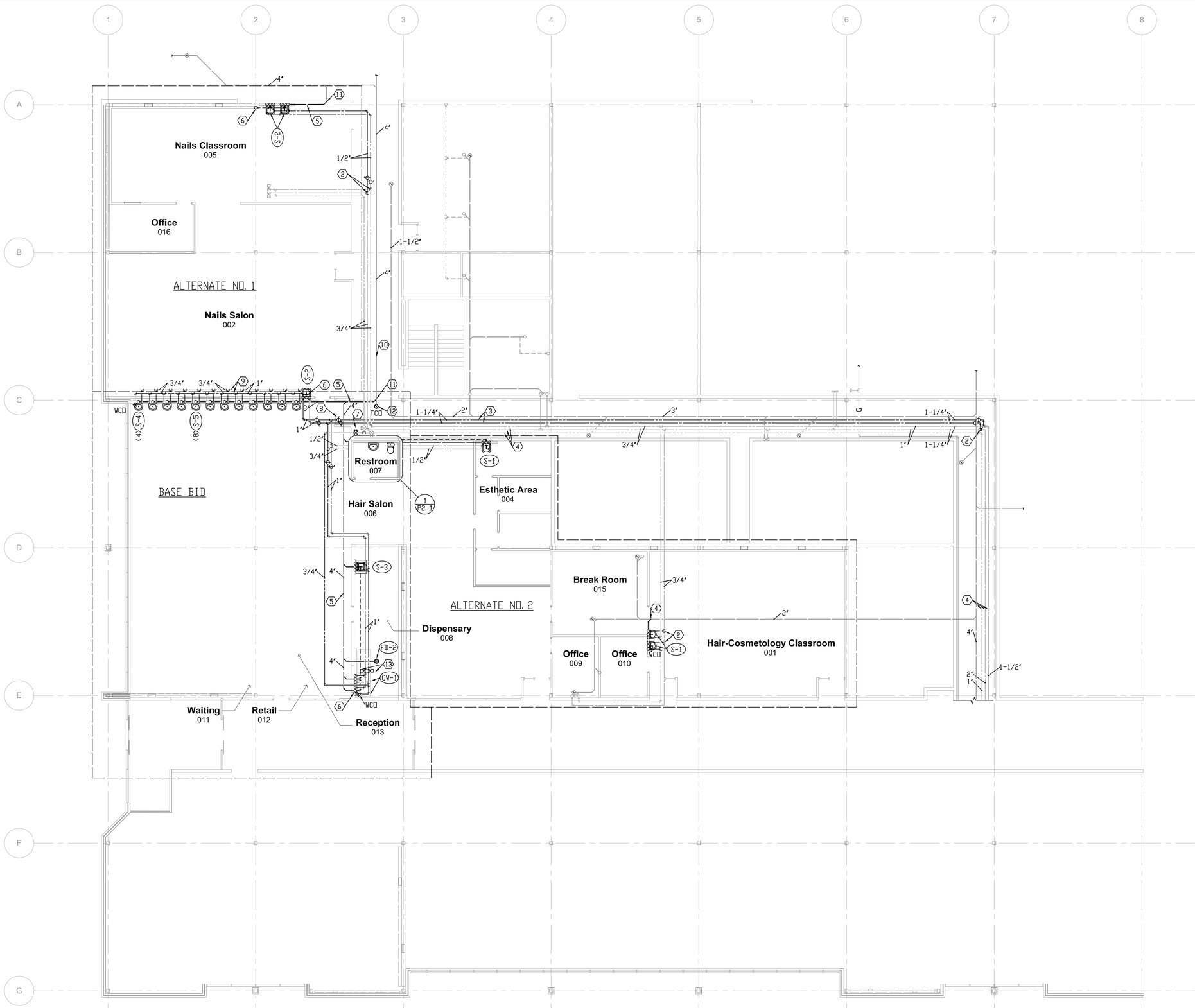
Drawing Date
October 8, 2008

LICENSED PROFESSIONAL ENGINEER
No. 172461
RICHARD D. JENSEN
STATE OF UTAH

Architect:
Scheer & Scheer, Inc.
776 n. east capital blvd.
salt lake city, ut 84103
(801) 355-1303
www.achesrandcheer.com

Sheet No.

P-1.01



KEYED NOTES FOR DWGS P1.01, P1.02

1. REMOVE EXISTING FIXTURES, PIPING, ETC. - SHOWN CROSSHATCHED (TYP).
2. CONNECT TO EXISTING WATER PIPING AS SHOWN.
3. NEW WATER PIPING.
4. EXISTING WATER PIPING - VERIFY.
5. NEW DRAIN PIPING.
6. 2" VTR.
7. NEW CIRCUIT BALANCING VALVES - SET TO HALF TOTAL FLOW EA.
8. BALL VALVE (TYP).
9. RUN PIPING IN FALSE WALL.
10. EXISTING DRAIN LINE - VERIFY.
11. CONNECT TO EXISTING DRAIN LINE.
12. NEW FCO.
13. WATER HAMMER ARRESTOR.

1 PLUMBING REMODEL FLOOR PLAN
SCALE: 1/8" = 1'-0"

Revisions

Davis Applied Technical College

Remodel of Cosmetology Area

DATC MAIN CAMPUS C-WING

DFCM Project No. 07264500

Client
Lucas Davis DFCM

OWNER:
State of Utah DFCM

Sheet Title

Plumbing Remodel Floor Plan

Drawing Date

October 8, 2008

REGISTERED PROFESSIONAL ENGINEER
No. 172461
RICHARD D. JENSEN
STATE OF UTAH

Architect:
Scheer & Scheer, Inc.
775 n. east capitol blvd.
salt lake city, ut 84103
(801) 355-1303
www.scheerandscheer.com

Sheet No.

P-1.02

DOMESTIC WATER PIPING SIZING

PIPE SIZE IN.	GPM	FU	COMMENTS
.5	2	2	
.75	7	8	
1.0	15	20	
1.25	25	39	
1.5	40	84	
2.0	75	250	

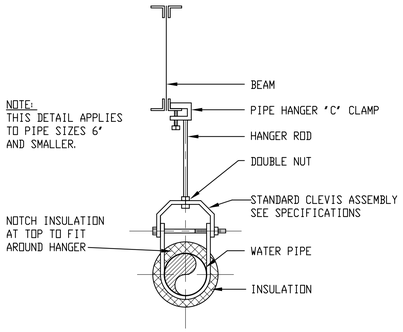
FIXTURE UNITS/FIXTURE

FIXTURE	WATER			DRAIN	COMMENTS
	CW	HW	TOTAL		
WATER CLOSET	5	-	5	4	
URINAL	5	-	5	2	
LAVATORY	1	1	2	1	
SINK (HAND)	1	1	2	1	
SINK	2	2	4	2	
DRINKING FTN.	2	-	2	0.5	
FLOOR DRAIN	-	-	-	2	

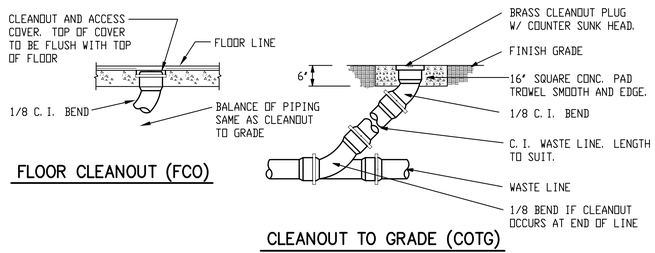
DWV PIPE SIZING

PIPE SIZE IN.	DRAINAGE ① FU = BRANCH	DRAINAGE ① FU = MAIN	VENT	COMMENTS
1.5	3	3	10	
2	6	21	20	
3	20	42	102	
4	100	216	540	
6	620	840	2900	

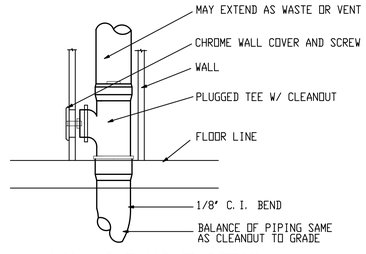
① BASED ON 1/4" PER FOOT SLOPE.



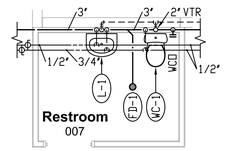
2 PIPE HANGER DETAIL
SCALE NONE



3 CLEANOUT DETAILS
SCALE NONE



4 WALL CLEANOUT DETAIL
SCALE NONE



1 RESTROOM 007 PLUMBING PLAN
SCALE 1/4" = 1'-0"

PLUMBING FIXTURE SCHEDULE ⑥

MARK	FIXTURE	PIPE SIZE (IN) TRAP	DRAIN	VENT	C.W.	H.W.	GAS	COMMENTS
WC-1	WATER CLOSET	INT	3	2	1/2			TANK TYPE , ADA
L-1	LAVATORY	1-1/4	1-1/2	1-1/2	1/2	1/2		WALL MTD, ADA ②
FD-1	FLOOR DRAIN	2	2	①				⑤
FD-2	FLOOR DRAIN	3	3	①				⑤
S-1	SINK	1-1/2	1-1/2	④	1/2	1/2		WALL MTD, ADA
S-2	SINK	1-1/2	1-1/2	1-1/2	1/2	1/2		WALL MTD, ADA
S-3	SINK	1-1/2	1-1/2	1-1/2	1/2	1/2		COUNTER MTD, ADA
S-4	SINK	1-1/2	1-1/2	④	1/2	1/2		HAIR WASH SINK
S-5	SINK	1-1/2	1-1/2	④	1/2	1/2		HAIR WASH SINK ③
CW-1	CLOTHES WASHER	2	2	2	1/2	1/2		

① COMBINATION DRAIN AND VENT.
② PROVIDE TEMPERING VALVE UNDER LAVATORY.
③ RELOCATED EXISTING.
④ AIR ADMITTANCE DEVICE.
⑤ TRAP GUARD, SEE SBCCI REPORT NO. 2218 .
⑥ UNDERSINK PROTECTION IS REQUIRED FOR ALL ADA FIXTURES.

PLUMBING LEGEND

HOT WATER LINE	
COLD WATER LINE	
RECIRC LINE	
VENT LINE	
ABOVE GRADE WASTE LINE	
UNDER GRADE WASTE LINE	
GREASE LINE	GR
GAS LINE	G
DRAIN LINE	D
VENT THRU ROOF	VTR
WALL CLEAN OUT	WCO
CLEAN OUT	CO
CLEAN OUT TO GRADE	COTG
FLOOR CLEAN OUT	FCO
BALL VALVE	
UNION	
GAS COCK VALVE	
PRESSURE REGULATOR	
DROP	
RISE	
ROOF DRAIN	RD
SECONDARY ROOF DRAIN	SRD
ROOF DRAIN (BELOW GRADE)	RD

NOTE: NEW SHOWN DARK, EXISTING SHOWN LIGHT.

Revisions

Davis Applied Technical College

Remodel of Cosmetology Area

DATC MAIN CAMPUS C-WING

DFCM Project No. 07264500

Client
Lucas Davis DFCM

OWNER:
State of Utah DFCM

Sheet Title
PLUMBING DETAILS AND SCHEDULES

Drawing Date
October 8, 2008

Architect:
Scheer & Scheer, Inc.
776 n. east capitol blvd.
salt lake city, ut 84103
(801) 355-1303
www.scheerandscheer.com

Sheet No.

P-2.01

ELECTRICAL SYMBOLS LIST

○	SURFACE LIGHT FIXTURE
▣	RECESSED LIGHT FIXTURE
○	WALL MOUNTED LIGHT FIXTURE
⊗	EXIT LIGHT
⊗	WALL MOUNTED EXIT LIGHT
▭	SURFACE FLUORESCENT LIGHT FIXTURE
▨	SURFACE FLUORESCENT LIGHT FIXTURE ON EMERGENCY
$	SINGLE POLE SWITCH
$2	TWO POLE SWITCH
$3	3 - WAY SWITCH
$4	4 - WAY SWITCH
$K	KEY SWITCH
$MK	MOMENTARY CONTACT KEY SWITCH
PP	POWER PACK
D	DIMMER
OS	OCCUPANCY SENSOR/LIGHTING CONTROL, CEILING
□	POWER POLE
OSH	OCCUPANCY SENSOR/LIGHTING CONTROL, WALL
▬	SURFACE ELECTRICAL PANELBOARD
▬	RECESSED ELECTRICAL PANELBOARD
■	DETECTOR/DOOR HOLDER HARDWARE
#	DRAWING NOTE DESIGNATION
#	LIGHT FIXTURE DESIGNATION
~~	FLEXIBLE CONDUIT
———	CONDUIT CONCEALED IN WALLS, CEILING OR FLOOR
- - - -	CONDUIT CONCEALED IN SLAB, UNDERGROUND OR UNDERFLOOR
———	EXISTING CONDUIT
⏚	GROUND WIRE
○	STUB UP
•	STUB DOWN
→	STUB OUT
	ISOLATED GROUND CONDUCTOR EQUIPMENT GROUND CONDUCTOR
	PHASE CONDUCTOR NEUTRAL CONDUCTOR
AHU-1	MECHANICAL EQUIPMENT DESIGNATION STARTER & DISCONNECT PER SPECIFICATIONS. SEE EQUIPMENT LIST

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AIC	AMP INTERRUPTING CURRENT (SYMMETRICAL)
AL	ALUMINUM
BG	BELOW GRADE
C	CONDUIT
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CKT	CIRCUIT
CO	CONDUIT ONLY
CU	COPPER
E	EMERGENCY
(E)	EXISTING
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
(F)	FUTURE
FA	FIRE ALARM
FLA	FULL LOAD AMPS
GFI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTOR
GRD	GROUND
GRC	GALVANIZED RIGID CONDUIT
IG	ISOLATED GROUND
MCC	MOTOR CONTROL CENTER
(N)	NEW
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
PNL	PANEL
(R)	RELOCATE
TYP	TYPICAL
WP	WEATHER PROOF
UNO	UNLESS NOTED OTHERWISE
(X)	DEMOLISH/DELETE
MLO	MAIN LUGS ONLY
MCB	MAIN CIRCUIT BREAKER
XFMR	TRANSFORMER
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
WG	WIRE GUARD
TP	CHILD TAMPER PROOF

DRAWING INDEX

REVISIONS

DAVIS APPLIED TECHNICAL COLLEGE

REMODEL OF COSMETOLOGY AREA

DATC MAIN CAMPUS C-WING

DFCM PROJECT No. 07264500

CLIENT
LUCAS DAVIS DFCM

OWNER:
STATE OF UTAH DFCM

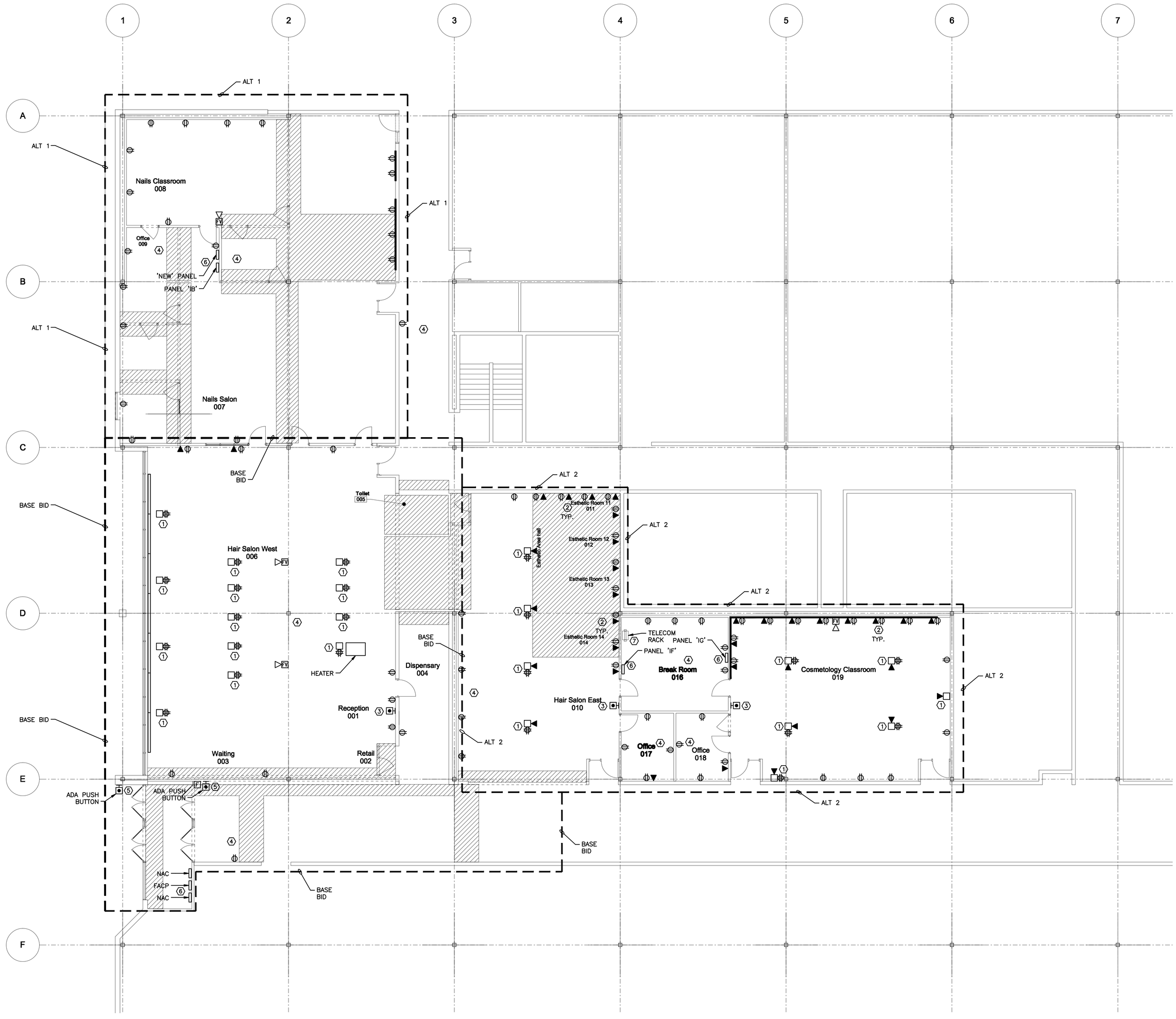
SHEET TITLE
SYMBOLS ABBREVIATIONS AND INDEX

DRAWING DATE
OCTOBER 8, 2008

ARCHITECT:
Scheer & Scheer, Inc.
776 N. EAST CAPITOL BLVD.
SALT LAKE CITY, UT 84103
(801) 355-1303
WWW.SCHEERANDSCHEER.COM

SHEET No.

E0.1



KEYED NOTES - SHEET E1.0

1. CAREFULLY REMOVE EXISTING POWER POLE AND KEEP TO BE REUSED. DEMOLISH ALL ASSOCIATED UNUSED WIRING AND ACCESSIBLE CONDUIT BACK TO BREAKER AND/OR TELECOM RACK. REFER TO SHEET 3.0 FOR NEW LOCATION OF POWER POLES. REUSE THE BEST POWER POLES AND DISCARD ANY REMAINING THAT ARE NOT NEEDED.
2. CAREFULLY REMOVE EXISTING MULTIOUTLET ASSEMBLY AND DISCARD. DEMOLISH ALL ASSOCIATED UNUSED WIRING AND ACCESSIBLE CONDUIT BACK TO BREAKER AND/OR TELECOM RACK.
3. EXISTING PUSH BUTTON SHALL REMAIN UNLESS OWNER REQUESTS OTHERWISE.
4. ALL CONVENIENCE POWER OUTLETS AND TELECOM OUTLETS IN THIS ROOM SHALL REMAIN UNLESS NOTED OTHERWISE.
5. EXISTING ADA PUSH BUTTON SHALL REMAIN.
6. EXISTING ELECTRICAL AND FIRE ALARM PANELS SHALL REMAIN.
7. EXISTING TELECOM RACK SHALL REMAIN.

GENERAL NOTES - SHEET E1.0

A. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, MATERIALS, FINISHES, AND DIMENSIONS BEFORE AND AFTER DEMOLITION
B. CONTRACTOR TO ENSURE THAT ALL CORRIDORS OUTSIDE OF CONSTRUCTION AREA ARE KEPT CLEAN AND CLEAR OF DEBRIS AND OBSTRUCTIONS AT ALL TIMES.
C. PROTECT ALL ITEMS TO REMAIN FROM DAMAGE.
D. ALL EXISTING CONVENIENCE OUTLETS SHOWN ON PLAN SHALL BE DEMOLISHED UNLESS OTHERWISE NOTED.
E. ALL EXISTING TELECOM OUTLETS SHOWN ON PLAN SHALL BE DEMOLISHED UNLESS OTHERWISE NOTED.
F. IF NO LOAD REMAINS ON A BREAKER AFTER DEMOLITION BREAKER IS TO BE TURNED OFF AND LABELED AS SPARE.
G. ALL EXISTING FIRE ALARM DEVICES SHOWN ON PLAN SHALL REMAIN UNLESS OTHERWISE NOTED.
H. REFER TO AREAS SHOWN FOR BASE BID AND TWO BID ALTERNATES. PROVIDE SEPARATE BID AMOUNTS FOR THE THREE AREAS.

1 E1.0 **ELECTRICAL POWER DEMOLITION PLAN**
SCALE: 1/8"=1'-0"

REVISIONS

DAVIS APPLIED TECHNICAL COLLEGE

REMODEL OF COSMETOLOGY AREA

DATC MAIN CAMPUS C-WING

DFCM PROJECT NO. 07264500

CLIENT
LUCAS DAVIS DFCM

OWNER:
STATE OF UTAH
DFCM

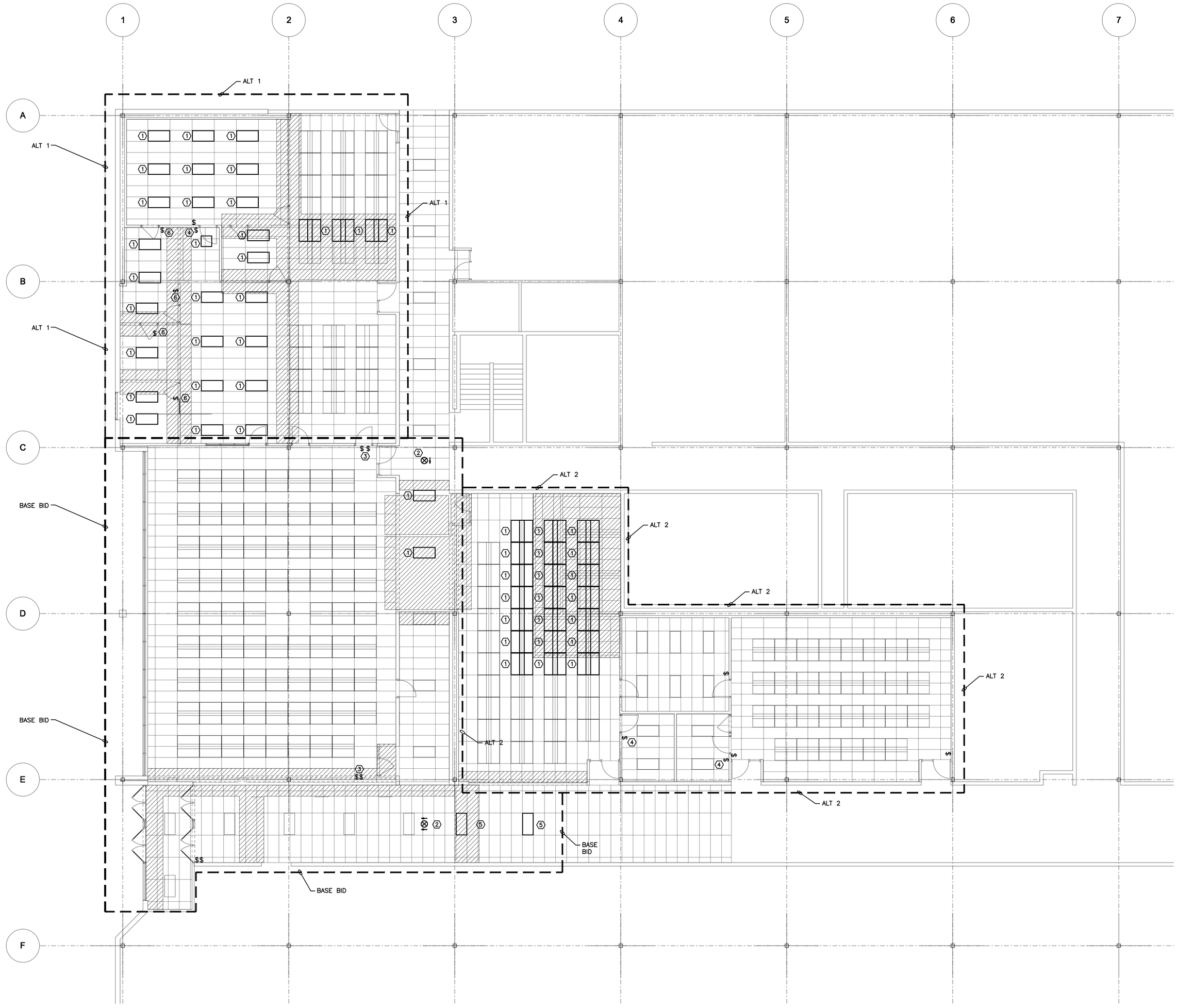
SHEET TITLE
ELECTRICAL POWER DEMOLITION PLAN

DRAWING DATE
OCTOBER 8, 2008

ARCHITECT:
Scheer & Scheer, Inc.
776 N. EAST CAPITOL BLVD.
SALT LAKE CITY, UT 84103
(801) 355-1303
WWW.SCHEERANDSCHEER.COM

SHEET NO.
E1.0

By: rbrown; Nov 06, 2008 - 11:55am
H:\2008\DATC Cosmetology Remodel 58029\Cad\E1.0.dwg



KEYED NOTES - SHEET E1.1

1. CAREFULLY REMOVE EXISTING LIGHTING FIXTURE AND DISCARD. DEMOLISH ALL ASSOCIATED UNUSED WIRING AND ACCESSIBLE CONDUIT BACK TO BREAKER. PROVIDE NEW LIGHTING AS SHOWN ON SHEET E2.0.
2. CAREFULLY REMOVE EXISTING EXIT SIGN AND DISCARD. DEMOLISH ALL ASSOCIATED UNUSED WIRING AND ACCESSIBLE CONDUIT BACK TO BREAKER.
3. REMOVE EXISTING LIGHT SWITCHES FROM LOCATION SHOWN. PROVIDE NEW SWITCHES IN NEW LOCATION SHOWN ON SHEET E2.0.
4. REMOVE EXISTING LIGHT SWITCH AND PROVIDE NEW WALL OCCUPANCY SENSOR AS SHOWN ON SHEET E2.0.
5. EXISTING LIGHT FIXTURE TO BE RELOCATED TO NEW LOCATION SHOWN ON SHEET E2.0.
6. REMOVE EXISTING LIGHT SWITCH FROM LOCATION AND DISCARD. DEMOLISH ALL ASSOCIATED UNUSED WIRING AND ACCESSIBLE CONDUIT BACK TO BREAKER.

GENERAL NOTES - SHEET E1.1

A. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, MATERIALS, FINISHES, AND DIMENSIONS BEFORE AND AFTER DEMOLITION
B. CONTRACTOR TO ENSURE THAT ALL CORRIDORS OUTSIDE OF CONSTRUCTION AREA ARE KEPT CLEAN AND CLEAR OF DEBRIS AND OBSTRUCTIONS AT ALL TIMES.
C. PROTECT ALL ITEMS TO REMAIN FROM DAMAGE.
D. ALL LIGHT FIXTURES, SWITCHES, ETC. TO REMAIN UNLESS OTHERWISE NOTED.
E. IF NO LOAD REMAINS ON A BREAKER AFTER DEMOLITION BREAKER IS TO BE TURNED OFF AND LABELED AS SPARE.

1 E1.1 **ELECTRICAL LIGHTING DEMOLITION PLAN**
SCALE: 1/8"=1'-0"

REVISIONS

DAVIS APPLIED TECHNICAL COLLEGE

REMODEL OF COSMETOLOGY AREA

DATC MAIN CAMPUS C-WING

DFCM PROJECT NO. 07264500

CLIENT
LUCAS DAVIS DFCM

OWNER:
STATE OF UTAH DFCM

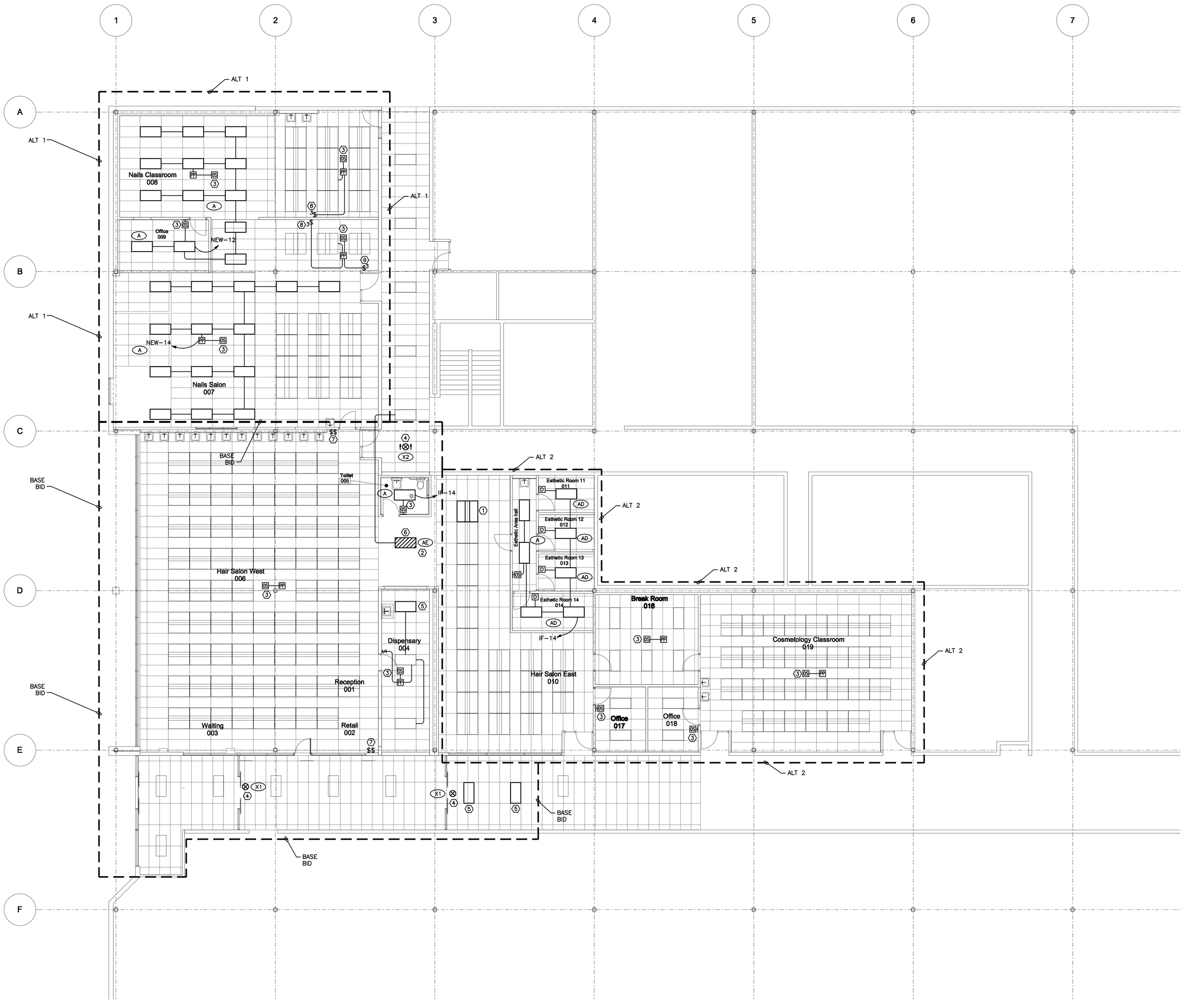
SHEET TITLE
ELECTRICAL LIGHTING DEMOLITION PLAN

DRAWING DATE
OCTOBER 8, 2008

ARCHITECT:
Scheer & Scheer, Inc.
776 N. EAST CAPITOL BLVD.
SALT LAKE CITY, UT 84103
(801) 355-1303
WWW.SCHEERANDSCHEER.COM

SHEET NO.
E1.1

By: rbrown; Nov 06, 2008 - 11:55am
H:\2008\DATC Cosmetology Remodel 58029\Cad\E1.1.dwg



KEYED NOTES - SHEET E2.0

1. EXISTING FIXTURE TO BE RE-USED IN LOCATION SHOWN. CONNECT FIXTURE TO SAME CIRCUIT AS OTHER FIXTURES IN ROOM.
2. PROVIDE EMERGENCY BATTERY PACK IN LIGHT FIXTURE.
3. PROVIDE NEW OCCUPANCY SENSOR TO CONTROL ALL LIGHT FIXTURES IN THIS ROOM.
4. PROVIDE NEW EXIT SIGN IN LOCATION SHOWN. CONNECT TO NEAREST UNSWITCHED 120V CIRCUIT.
5. RELOCATE EXISTING FIXTURE TO NEW LOCATION SHOWN.
6. EXTEND EXISTING CIRCUIT IN CORRIDOR TO NEW EMERGENCY FIXTURE.
7. RELOCATE EXISTING LIGHT SWITCHES TO NEW LOCATION SHOWN.
8. PROVIDE AND INSTALL NEW MANUAL SWITCH IN LOCATION SHOWN TO CONTROL LIGHTING IN RE-CONFIGURED SPACE.
9. RE-WIRE EXISTING SWITCH TO CONTROL LIGHTING ONLY IN RE-CONFIGURED SPACE.

GENERAL NOTES - SHEET E2.0

A. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, MATERIALS, FINISHES, AND DIMENSIONS BEFORE AND AFTER DEMOLITION
B. CONTRACTOR TO ENSURE THAT ALL CORRIDORS OUTSIDE OF CONSTRUCTION AREA ARE KEPT CLEAN AND CLEAR OF DEBRIS AND OBSTRUCTIONS AT ALL TIMES.
C. PROTECT ALL ITEMS TO REMAIN FROM DAMAGE.

1 / E2.0 **ELECTRICAL LIGHTING PLAN**
SCALE: 1/8"=1'-0"

N

REVISIONS

DAVIS APPLIED TECHNICAL COLLEGE

REMODEL OF COSMETOLOGY AREA

DATC MAIN CAMPUS C-WING

DFCM PROJECT No. 07264500

CLIENT
LUCAS DAVIS DFCM

OWNER:
STATE OF UTAH
DFCM

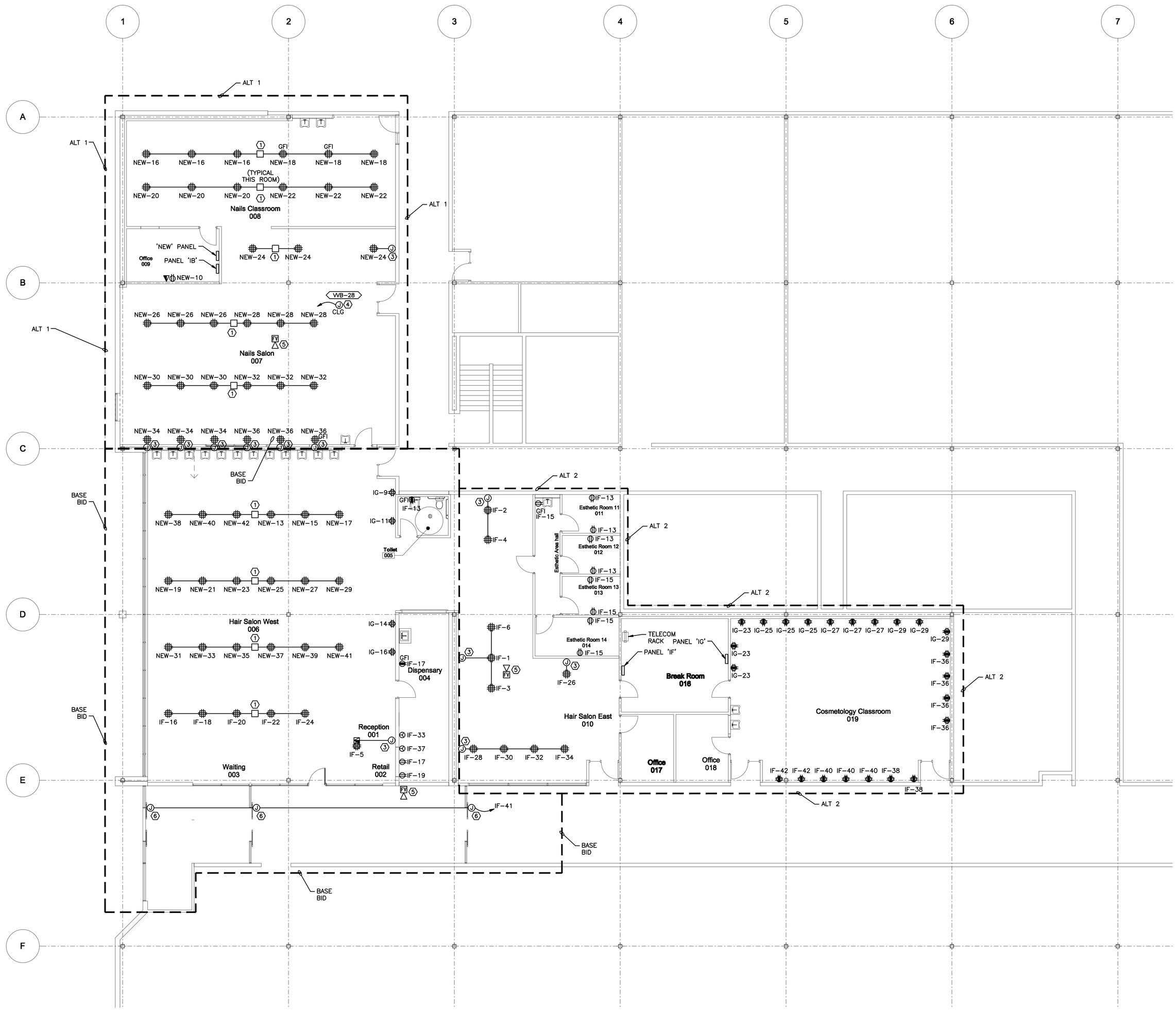
SHEET TITLE
ELECTRICAL LIGHTING PLAN

DRAWING DATE
OCTOBER 8, 2008

ARCHITECT:
Scheer & Scheer, Inc.
776 N. EAST CAPITOL BLVD.
SALT LAKE CITY, UT 84103
(801) 355-1303
WWW.SCHEERANDSCHEER.COM

SHEET No.
E2.0

By: rbrown; Nov 06, 2008 - 11:55am
H:\2008\DATC Cosmetology Remodel 58029\Cad\E2.0.dwg



KEYED NOTES - SHEET E3.0

1. REUSE EXISTING POWER POLE IN LOCATION SHOWN. ALSO INSTALL FLOOR MOUNTED FLAT RACEWAY TO FLOOR MOUNTED OUTLETS AS SHOWN.
2. NOT USED.
3. PROVIDE NEW JUNCTION BOX IN WALL ABOVE FLOOR. ALSO INSTALL FLOOR MOUNTED FLAT RACEWAY TO FLOOR MOUNTED OUTLETS AS SHOWN.
4. PROVIDE NEW JUNCTION BOX IN CEILING FOR VAV BOX VVB-28.
5. PROVIDE AND INSTALL NEW HORN/STROBE AS SHOWN. CONNECT TO EXISTING FIRE ALARM NOTIFICATION CIRCUIT.
6. PROVIDE POWER FOR AUTOMATIC DOORS. COORDINATE WITH DOOR MANUFACTURER PRIOR TO ROUGH-IN.

GENERAL NOTES - SHEET E3.0

A. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS, MATERIALS, FINISHES, AND DIMENSIONS BEFORE AND AFTER DEMOLITION
B. CONTRACTOR TO ENSURE THAT ALL CORRIDORS OUTSIDE OF CONSTRUCTION AREA ARE KEPT CLEAN AND CLEAR OF DEBRIS AND OBSTRUCTIONS AT ALL TIMES.
C. PROTECT ALL ITEMS TO REMAIN FROM DAMAGE.

1 E3.0 **ELECTRICAL POWER & SYSTEMS PLAN**
SCALE: 1/8"=1'-0"

REVISIONS

DAVIS APPLIED TECHNICAL COLLEGE

REMODEL OF COSMETOLOGY AREA

DATC MAIN CAMPUS C-WING

DFCM PROJECT NO. 07264500

CLIENT
LUCAS DAVIS DFCM

OWNER:
STATE OF UTAH DFCM

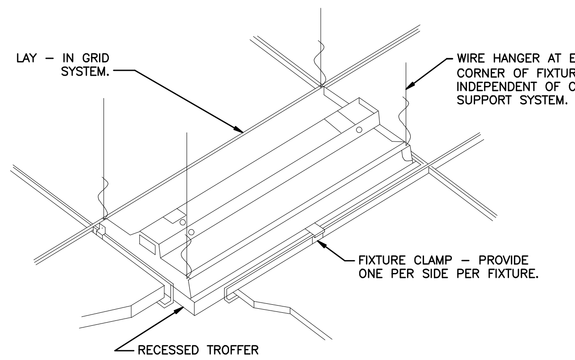
SHEET TITLE
ELECTRICAL POWER AND SYSTEMS PLAN

DRAWING DATE
OCTOBER 8, 2008

ARCHITECT:
Scheer & Scheer, Inc.
776 N. EAST CAPITOL BLVD.
SALT LAKE CITY, UT 84103
(801) 355-1303
WWW.SCHEERANDSCHEER.COM

SHEET NO.
E3.0

By: rbrown: Nov 06, 2008 - 11:55am
H:\2008\DATC Cosmetology Remodel 58029\Cad\E3.0.dwg



TYPICAL RECESSED FIXTURE MOUNTING DETAIL

1 / E4.0 SCALE: NTS

PANEL: 1B		120 208	3 PH	4 W	225 A BUS						
DESCRIPTION		LOAD	BKR	P			BKR	P		LOAD	DESCRIPTION
OTL CORRIDOR C112 *	P		20	1	1	A 2	20	1	P		POWER POLE 1001 *
OTL 1001 N WALL *	P		20	1	3	B 4	20	1	P		POWER POLE 1001 *
OTL 1001 E WALL *	P		20	1	5	C 6	20	1	P		OTL 1001 EAST WALL *
OTL 1001 S WALL *	P		20	1	7	A 8	20	1	P		OTL 1001 A & F *
OTL 1003 S & E WALL *	P		20	1	9	B 10	20	1	P		OTL 1001C WEST WALL *
OTL 1003 N & W WALL *	P		20	1	11	C 12	20	1	P		OTL 1001C E WALL *
OTL 1001D N WALL, E SIDE *	P		20	1	13	A 14	20	1	P		OTL 1001D SOUTH WALL *
OTL 1001D N WALL, W SIDE *	P		20	1	15	B 16	20	1	P		OTL 1001D EAST WALL *
USED *	P		20	1	17	C 18	20	1	P		OTL 1003 *
OTL 1009A *	P		20	1	19	A 20	20	1	P		OTL 1007F&G, N & W WALL *
OTL 1009 *	P		20	1	21	B 22	20	1	P		OTL 1005 S & E WALL *
OTL 1003 *	P		20	1	23	C 24	20	1	P		USED *
OTL 1009B *	P		20	1	25	A 26	20	1	P		OTL 1001D *
POWER POLE SOUTH CENTER *	P		20	1	27	B 28	20	1	P		USED *
OTL 1003 *	P		20	1	29	C 30	20	1	L		PAINT BOOTH LTG *
EQUIPMENT 1009D W WALL *	E		30	1	31	A 32	20	1	E		EQUIPMENT 1009D W WALL *
POWER POLE NORTH WEST *	P		20	1	33	B 34	20	1	P		USED *
EAST WIRE MOLD PLUGS *	P		20	1	35	C 36	20	1	P		POWER POLE SOUTH WEST *
EAST WIRE MOLD PLUGS *	P		20	1	37	A 38	30	2	E		DRYER
SPACE ONLY			20	1	39	B 40	–	–	–		–
SPACE ONLY			20	1	41	C 42		20	1		SPACE ONLY
CONNECTED LOAD		23.0 KVA			64 AMPS						
NEC DEMAND LOAD		10.3 KVA			29 AMPS						

* EXISTING LOAD

PANEL: 1G		120 208	3 PH	4 W	225 A BUS						
DESCRIPTION		LOAD	BKR	P			BKR	P		LOAD	DESCRIPTION
POWER POLE 1025 NW, SW *	P		20	1	1	A 2	20	1	P		POWER POLE WEST CENTER *
POWER POLE 1025 NE, SE *	P		20	1	3	B 4	20	1	P		POWER POLE SE, W CORNER *
OTL 1025 SOUTH *	P		20	1	5	C 6	20	1	P		OTL WEST, NORTH 1/2 SIDE *
OTL EAST WALL *	P		20	1	7	A 8	20	1	P		OTL NORTH 1/2 *
NEW SEATING HAIR DRYERS	E	360	20	1	9	B 10	20	1	P	720	NEW HAIR CLASROOM WORKSTN
NEW SEATING HAIR DRYERS	E	360	20	1	11	C 12	20	1	P	360	NEW HAIR CLASROOM WORKSTN
OTL 1025A *	P		20	1	13	A 14	20	1	E	360	NEW SEATING HAIR DRYER
OTL 1015 *	P		20	1	15	B 16	20	1	E	360	NEW SEATING HAIR DRYER
OTL 1015 SO WALL E SIDE *	P		20	1	17	C 18	30	1	P		USED *
OTL 1015 N WALL W SIDE *	P		20	1	19	A 20	30	1	P		USED *
OTL *	P		20	1	21	B 22	30	1	P		USED *
NEW HAIR CLASSROOM WORKSTN	P	1080	20	1	23	C 24	30	1	P		USED *
NEW HAIR CLASSROOM WORKSTN	P	1080	20	1	25	A 26	60	3	P		UPPER PANEL *
NEW HAIR CLASSROOM WORKSTN	P	1080	20	1	27	B 28	–	–	–	–	–
NEW HAIR CLASSROOM WORKSTN	P	1080	20	1	29	C 30	–	–	–	–	–
CONNECTED LOAD		6.8 KVA			19 AMPS						
NEC DEMAND LOAD		1.4 KVA			4 AMPS						

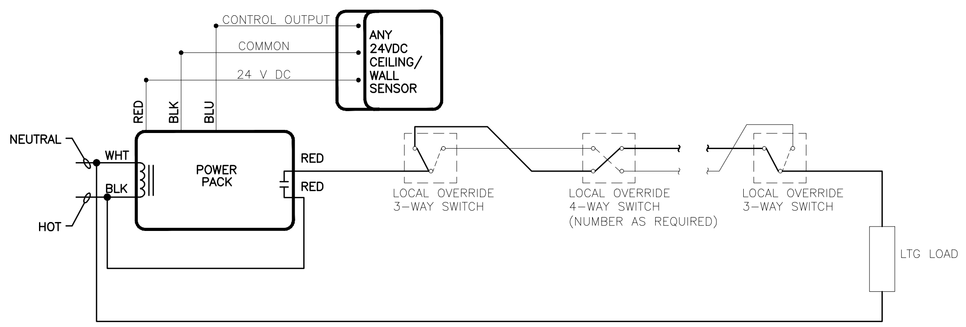
* EXISTING LOAD

PANEL: 1F		120 208	3 PH	4 W	225 A BUS						
DESCRIPTION		LOAD	BKR	P			BKR	P		LOAD	DESCRIPTION
NEW HAIR SALON WORKSTATION	P	360	20	1	1	A 2	20	1	F	360	NEW HAIR SALON WORKSTATION
NEW HAIR SALON WORKSTATION	P	360	20	1	3	B 4	20	1	F	360	NEW HAIR SALON WORKSTATION
RECEPTION DESK OTL	P	180	20	1	5	C 6	20	1	P	360	NEW HAIR SALON WORKSTATION
OTL 1011 S WALL *	P		20	1	7	A 8	20	1	P		OTL 1011 E WALL *
OTL 1011 W WALL *	P		20	1	9	B 10	20	1	P		OTL 1011 N WALL *
USED *	P		20	1	11	C 12	20	1	P	240	VAV BOX VVB-28
NEW ESTHETICS OUTLETS	P	720	20	1	13	A 14	20	1	L	736	NEW ESTHETIC/RESTROOM LTG
NEW ESTHETICS OUTLETS	P	900	20	1	15	B 16	20	1	P	360	NEW HAIR SALON WORKSTN
NEW CLOTHES WASHER	E	180	20	1	17	C 18	20	1	P	360	NEW HAIR SALON WORKSTN
NEW CLOTHES WASHER	E	180	20	1	19	A 20	20	1	P	360	NEW HAIR SALON WORKSTN
OTL 1011 E WALL *	P		20	1	21	B 22	20	1	P	360	NEW HAIR SALON WORKSTN
OTL CAP ROOM 1003 W WALL *	P		20	1	23	C 24	20	1	P	360	NEW HAIR SALON WORKSTN
OTL NORTH WALL *	P		20	1	25	A 26	20	1	P	360	NEW HAIR SALON WORKSTATION
C111 1003 *	P		20	1	27	B 28	20	1	P	360	NEW HAIR SALON WORKSTATION
OTL CAD ROOM 1003 W WALL *	P		20	1	29	C 30	20	1	P	360	NEW HAIR SALON WORKSTATION
OTL CAD ROOM 1003 *	P		20	1	31	A 32	20	1	P	360	NEW HAIR SALON WORKSTATION
NEW CLOTHES DRYER	E	4160	30	2	33	B 34	20	1	P	360	NEW HAIR SALON WORKSTATION
–	–	–	–	–	35	C 36	20	1	P	1080	NEW HAIR CLASSROOM WORKSTN
NEW CLOTHES DRYER	E	4160	30	2	37	A 38	20	1	P	1080	NEW HAIR CLASSROOM WORKSTN
–	–	–	–	–	39	B 40	20	1	P	1080	NEW HAIR CLASSROOM WORKSTN
AUTOMATIC DOORS	P	1800	20	1	41	C 42	20	1	P	1080	NEW HAIR CLASSROOM WORKSTN
CONNECTED LOAD		23.0 KVA			64 AMPS						
NEC DEMAND LOAD		10.3 KVA			29 AMPS						

* EXISTING LOAD

PANEL: NEW		120 208	3 PH	4 W	225 A BUS						
DESCRIPTION		LOAD	BKR	P			BKR	P		LOAD	DESCRIPTION
USED *			20	1	1	A 2	20	1			USED *
USED *			20	1	3	B 4	20	1			USED *
USED *			20	1	5	C 6	20	1			USED *
USED *			20	1	7	A 8	20	1			USED *
USED *			20	1	9	B 10	20	1		360	NEW OFFICE OTL
USED *			20	1	11	C 12	20	1	L	1196	NEW NAILS CLASSROOM LTG
NEW HAIR SALON WORKSTN	P	360	20	1	13	A 14	20	1	L	1104	NEW NAILS SALON LTG
NEW HAIR SALON WORKSTN	P	360	20	1	15	B 16	20	1	P	720	NEW NAILS CLASS WORKSTN
NEW HAIR SALON WORKSTN	P	360	20	1	17	C 18	20	1	P	1080	NEW NAILS CLASS WORKSTN
NEW HAIR SALON WORKSTN	P	360	20	1	19	A 20	20	1	P	1080	NEW NAILS CLASS WORKSTN
NEW HAIR SALON WORKSTN	P	360	20	1	21	B 22	20	1	P	1080	NEW NAILS CLASS WORKSTN
NEW HAIR SALON WORKSTN	P	360	20	1	23	C 24	20	1	P	1080	NEW NAILS CLASS WORKSTN
NEW HAIR SALON WORKSTN	P	360	20	1	25	A 26	20	1	P	1080	NEW NAILS SALON WORKSTN
NEW HAIR SALON WORKSTN	P	360	20	1	27	B 28	20	1	P	1080	NEW NAILS SALON WORKSTN
NEW HAIR SALON WORKSTN	P	360	20	1	29	C 30	20	1	P	1080	NEW NAILS SALON WORKSTN
NEW HAIR SALON WORKSTN	P	360	20	1	31	A 32	20	1	P	1080	NEW NAILS SALON WORKSTN
NEW HAIR SALON WORKSTN	P	360	20	1	33	B 34	20	1	P	1080	NEW NAILS SALON WORKSTN
NEW HAIR SALON WORKSTN	P	360	20	1	35	C 36	20	1	P	1080	NEW NAILS SALON WORKSTN
NEW HAIR SALON WORKSTN	P	360	20	1	37	A 38	20	1	P	360	NEW HAIR SALON WORKSTN
NEW HAIR SALON WORKSTN	P	360	20	1	39	B 40	20	1	P	360	NEW HAIR SALON WORKSTN
NEW HAIR SALON WORKSTN	P	360	20	1	41	C 42	20	1	P	360	NEW HAIR SALON WORKSTN
CONNECTED LOAD		20.7 KVA			57 AMPS						
NEC DEMAND LOAD		2.9 KVA			8 AMPS						

* EXISTING LOAD



SENSOR CONTROLLING W/3-WAY & 4-WAY SWITCHING DETAIL (TYP)

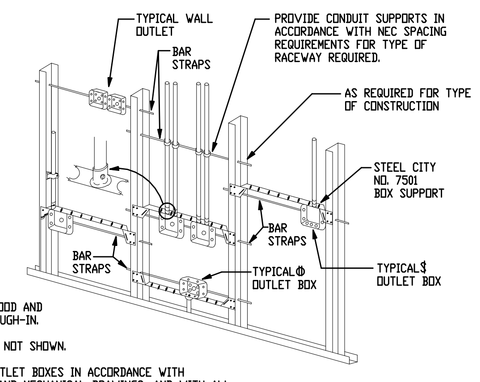
2 / E4.0 SCALE: NTS

LUMINAIRE SCHEDULE - SHEET E5.0

TYPE	DESCRIPTION		LAMP(S) AND BALLASTS	INPUT (VA)	MANUFACTURER(S)
A	DESCRIPTION:	RECESSED 2' X 4' FLUORESCENT TROFFER	(3) F32T8/841	93	METALUX:
	SIZE:	24 IN. X 48 IN.	(1) 3-LAMP		2GC8-332A125-UNV-EB81
	HOUSING:	STEEL	ELECTRONIC		LIGHTOLIER
	FINISH:	BAKED WHITE ENAMEL	BALLAST		LITHONIA
	LENS:	.125" THICK, PATTERN #12, PRISMATIC ACRYLIC.			HUBBELL
	LENS DOOR:	HINGE AND LATCH, FLUSH STEEL			DAYBRITE
	MOUNTING:	RECESSED, LAY-IN			OR APPROVED
AD	SAME AS TYPE " A ", EXCEPT WITH DIMMING BALLAST		(3) F32T8/841	93	METALUX: 2GC8-332A125-UNV-EM-DLS81
AE	SAME AS TYPE " A ", EXCEPT WITH 1350 LUMEN EMERGENCY BATTERY BALLAST		(3) F32T8/841	93	METALUX: 2GC8-332A125-UNV-EM-EB81
X1	DESCRIPTION:	UNIVERSAL L.E.D. SINGLE FACE EMERGENCY EXIT SIGN	RED L.E.D.	10	SURELITES:
	SIZE:	8 IN. X 12 IN. X 2 IN. NOMINAL			CX7170RWSD
	HOUSING:	DIE CAST ALUMINUM			LIGHTOLIER
	FINISH:	WHITE			HUBBELL
	BATTERY:	NICKEL CADMIUM			DAYBRITE
	ACCESSORIES:	DIRECTIONAL ARROWS (SEE DRAWINGS FOR APPLICATION) AND SELF DIAGNOSTICS			LITHONIA OR APPROVED
	MOUNTING:	UNIVERSAL (SEE DRAWINGS FOR APPLICATION)			
X2	SAME AS TYPE "X1", EXCEPT DOUBLE FACE		RED L.E.D.	10	SURELITES: CX7270RWSD

MECHANICAL EQUIPMENT LIST

								DISCONNECT					
	DESCRIPTION	V	PH	HP	KVA	AMPS	CIRC. #	SIZE	FUSED	STARTER	FEEDER	LOCATION	REMARKS
VVB-28	VAV BOX	120	1			2.00	1F-12	–	–	–	–	NAIL SALON	

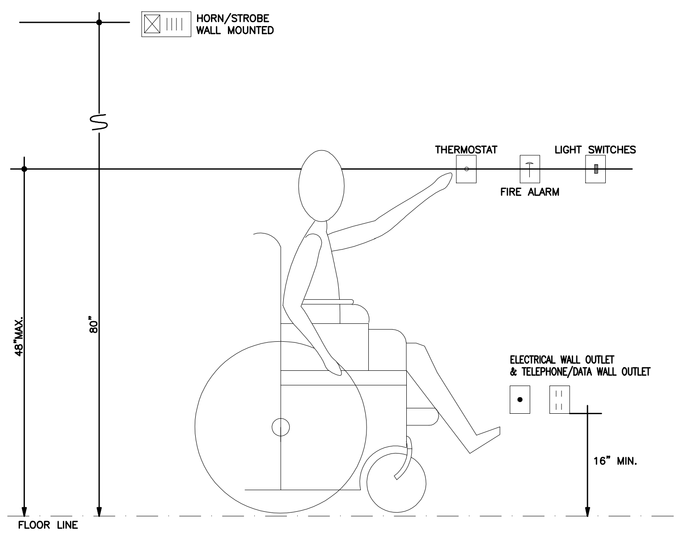


NOTES:

1. TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.
2. PLASTER RINGS NOT SHOWN.
3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECURAL AND MECHANICAL DRAWINGS, AND WITH ALL APPLICABLE SHOP DRAWINGS.
4. IN ACCORDANCE WITH UBC 4303 OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE MUST BE SEPARATED BY A MINIMUM OF 24" HORIZONTAL DISTANCE.

TYPICAL ROUGH IN REQUIREMENTS

3 / E4.0 SCALE: NTS



HANDICAPPED MOUNTING HEIGHTS FOR ELECTRICAL DEVICES

4 / E4.0 SCALE:

By: rbrown; Nov 06, 2008 - 11:55am
H:\2008\DATC Cosmetology Remodel 58029\Cad\E4.0.dwg

REVISIONS

DAVIS APPLIED TECHNICAL COLLEGE

REMODEL OF COSMETOLOGY AREA

DATC MAIN CAMPUS C-WING

DFCM PROJECT NO. 07264500

CLIENT
LUCAS DAVIS DFCM

OWNER:
STATE OF UTAH DFCM

SHEET TITLE
ELECTRICAL DETAILS AND SCHEDULES

DRAWING DATE
OCTOBER 8, 2008

ARCHITECT:
Scheer & Scheer, Inc.
776 N. EAST CAPITOL BLVD.
SALT LAKE CITY, UT 84103
(801) 355-1303
WWW.SCHEERANDSCHEER.COM

SHEET NO.

E4.0